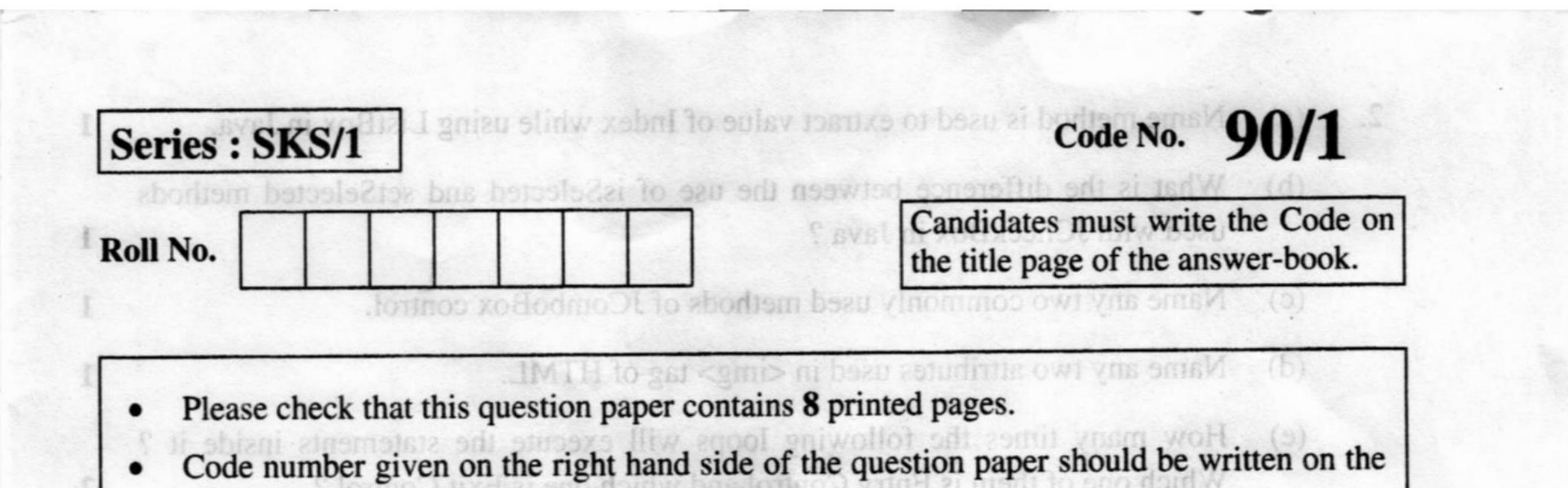
<u>CBSE Class 12 Information Practices Question Paper 2013 (March 22, Code - 90/1)</u>



title page of the answer-book by the candidate.

- Please check that this question paper contains 7 questions.
- Please write down the Serial Number of the question before attempting it.
- 15 minutes time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

INFORMATICS PRACTICES

Time allowed : 3 hours]

All questions are compulsory. Instructions (i)Answer the questions after carefully reading the text. *(ii)*

[Maximum marks : 70

000

- (a) Which wireless communication channel is most appropriate in each of the following situations?
 - Communication in a hilly area. (1)
 - Very fast communication between two offices in two different countries. (11)
 - With what aim UNICODE was developed? (b) TextField2.setTdxt
 - Expand the following file extensions : (c)
- Differentiate between the
 and <HR> tags of H MIO SELEADIS (i) example
 - XML (11)

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- Give one example of URL and one example of domain name. (d)
- What is the use of repeater in a Network ? How is it different from Hub ? (e)
- Give two characteristics of Star Topology. Also, show it using a diagram with (f)

interconnection of 5 computers.

Define Foreign Key with reference to RDBMS. What is Snooping? (g)



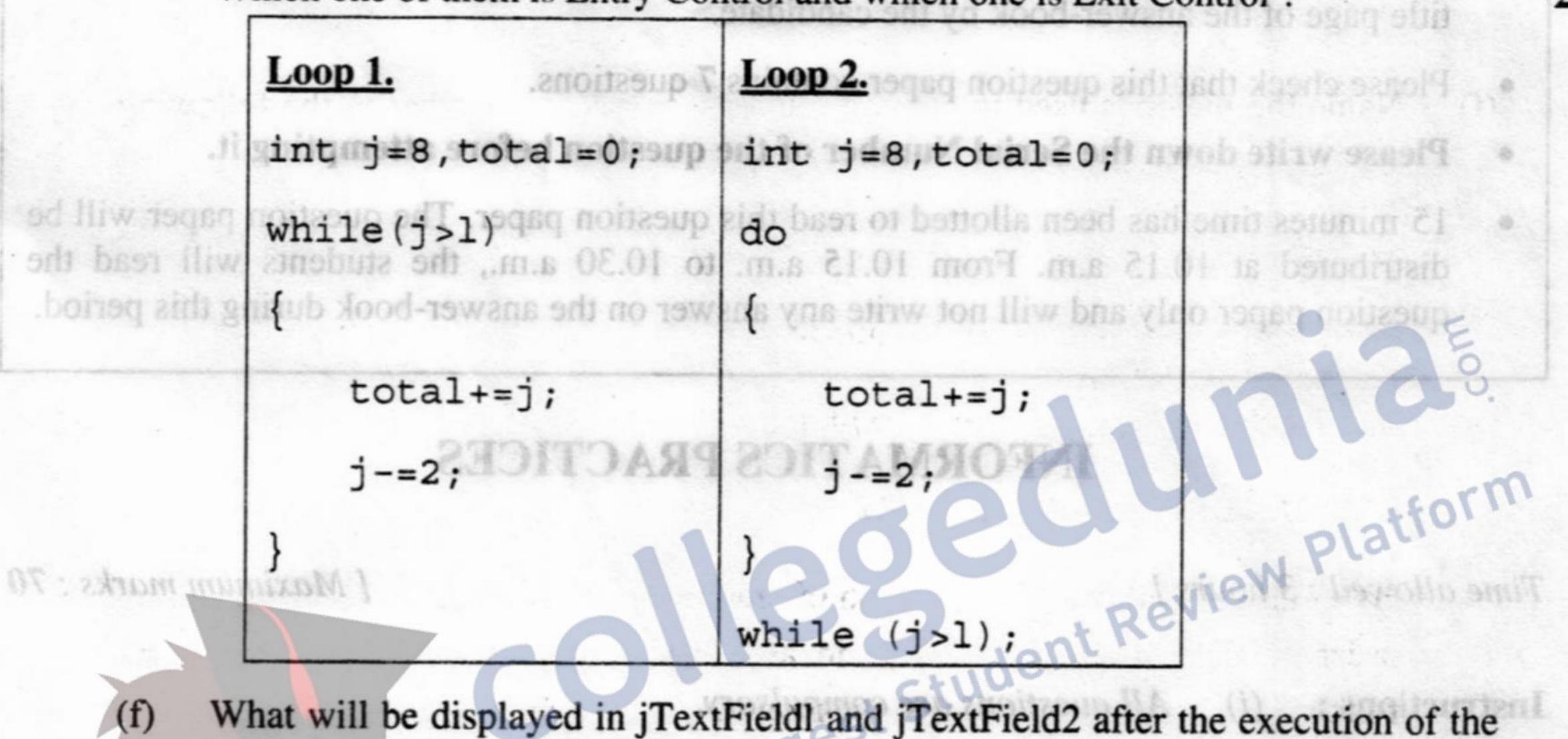
(3)

[P.T.O.

- Name method is used to extract value of Index while using ListBox in Java. 2. (a)
 - What is the difference between the use of isSelected and setSelected methods (b) used with JCheckBox in Java? title page of the answer-book
 - Name any two commonly used methods of JComboBox control. (c)
 - Name any two attributes used in tag of HTML. (d)
 - How many times the following loops will execute the statements inside it ? (e) Which one of them is Entry Control and which one is Exit Control ?

70 5 28161000 190





int Total=0, End=10; I. (a) Z. Whiele wireless communication channel is m

(f)

fine

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for(int Turn=1;Turn<=End;Turn+=2) </pre>

(ii) Answer the questions deals reading qool gniwollof

- Communication in a hilly area. Total++; (1)
- jTextFieldl.setText(Integer.toString(Total));
- m UNICODE was de jTextField2.setText(Integer.toString(Turn));
- Differentiate between the
 and <HR> tags of HTML with suitable (g) example.

(d) Give one example of URL and one example of domain name.

- Write a command to add a NOT NULL constraint on FEES column of a student 3. (a) table. Give two characteristics of Star Topology, Also, show it using a diagram with
 - (b) Write SQL command to create a SAVEPOINT called A1.
 - Define Foreign Key with reference to RDBMS. (c)



XME

What is Snooping

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- (d) Table BANK has 2 rows and 3 columns. Table CUSTOMER has 4 rows and 3 columns. What will be the cardinality and degree of the Cartesian product of them ?
- (e) There is a column HOBBY in a Table CONTACTS. The following two statements are giving different outputs. What may be the possible reason?

SELECT COUNT (*) FROM CONTACTS;

- SELECT COUNT (HOBBY) FROM CONTACTS;
- (f) Name the methods used to convert one type of data to another in the following statements of Java.

int Num=Integer.parseInt(jTextFieldl.getText());

jTextField2.setText(Integer.toString(Num));

(g) Mr. Tondon is using table EMP with the following columns.

ECODE, DEPT, ENAME, SALARY

He wants to display all information of employees (from EMP table) in ascending order of ENAME and within it in ascending order of DEPT. He wrote the following command, which did not show the desired output.

SELECT * FROM EMP ORDER BY NAME DESC, DEPT;

Rewrite the above query to get the desired output.

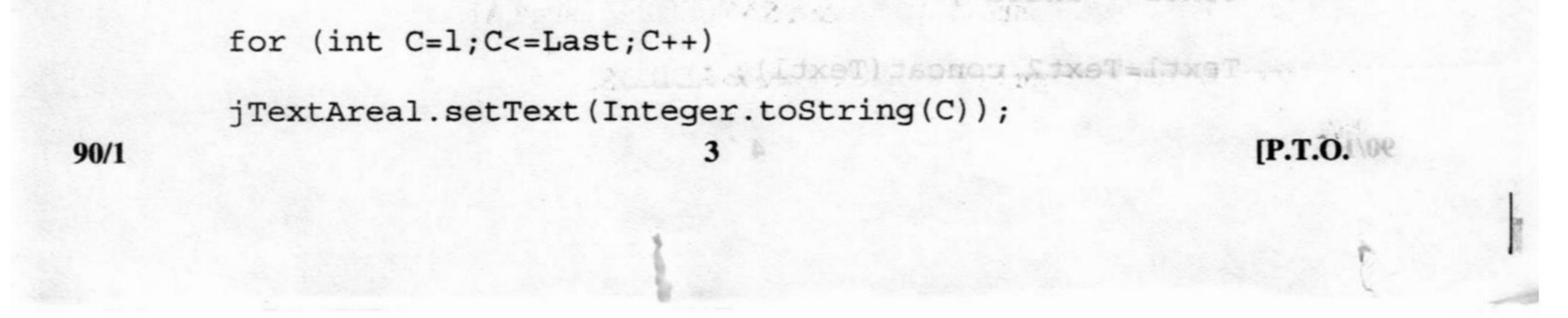
4. (a) What will be the content of jTextArea1 and TextField1 after the execution of the following statements ?

(i) jTextAreal. setText ("Go\tGreen\nINDIA");(ii) String Message="All The Best";

jTextFieldl.setText((Message.length()-6)+" ");

(b) Rewrite the following programme code using a while loop statement :

int Last=Integer.parseInt(jTextFieldl.getText());





Sum = 0me + Two++;

(c) Observe the following code carefully and find which statement will never get executed in the code. To serve has illegibles of a line and have and a line a

int Count=1; //Statement 1 There is a column HOBBY in a Table CONTACTS. The following two do do los aldizzog ad ad yen ad // stuguts. //Statement 2

//Statement 3

//Statement 4 (Count<15) if

jTextFieldl.setText("Jump"); //Statement 5

statements of Java. //Statement 6 int Num-Integer.parseInt(jTextFieldl.getText())

jTextFieldl.setText("Stop"); //Statement 7

//Statement 8 Count+=4;

//Statement 9

for (int C=1; C<=Last; C++

finem?

while(t<=15); //Statement 10

older of ENAME Write Java statement to make jButton1 disabled. (d) following comman

What will be displayed in jTextFieldl after the execution of the following code ? (e) 2

SELECT * FROM LMP ORDER ST WAMS AND * TOMEES int Sum, One=3, Two=5; Rewrite the above query to get the desired output Sum = One + Two++;

jTextFieldl.setText(Integer.toString(Sum));

jTextField2.setText(Integer.toString(Two));

What will be the contents of Text1 and Text2 after the following code is (f) (ii) String Message="All The Best"; executed ?

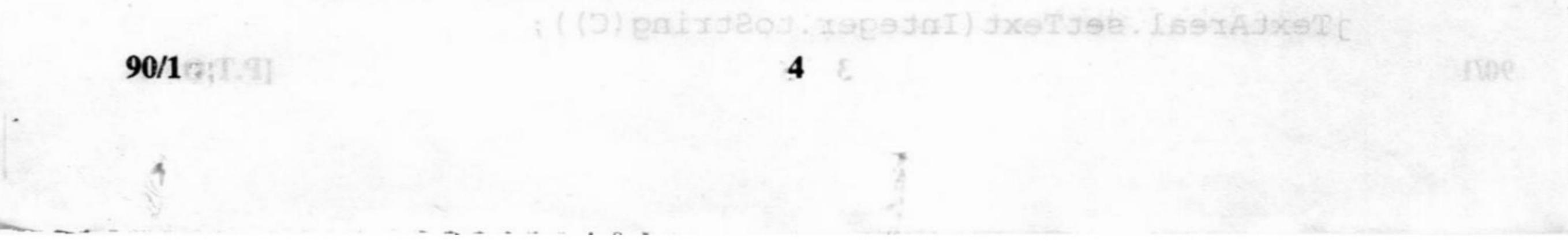
String Text2, Text1;

Textl= "Good Morning";

int Last=Integer.parseInt(TextField1.getText(Text2= "India";

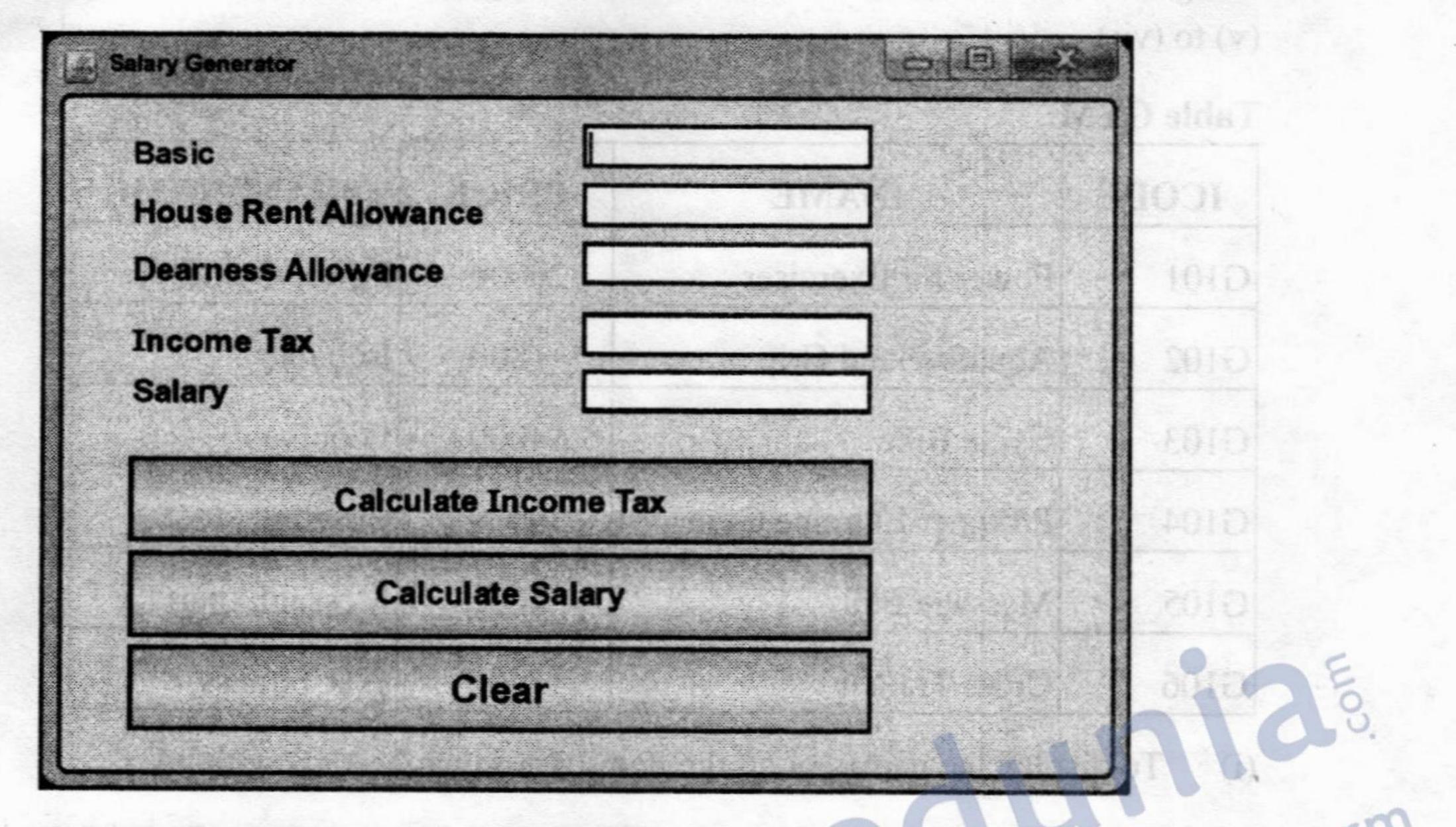
Text1=Text2.concat(Text1);

else





Shekher is a junior programmer at ducom Enterprises. He created the following (g) GUI in Netbeans.



Help him to write code for the following :

- To calculate Income Tax to be paid and display in jTextField4 on the click (i) of Command Button "Calculate Income Tax" as per the following condition :
- If the Basic is less than 50000 then IncomeTax =Basic*0.2

And if is greater or equal to 50000 then lncomeTax=Basic*0.3 (ii) To calculate Salary and display in jTextField5 on the click of Command Button "Calculate_Salary".

(vii) SELECT INAME IROM GYM WHERE INAME LIKE Hint: Salary =

COLUME NAME DATATYPESHAD CONSTRAINT

(Basic+ DearnessAllowance+HouseRentAllowance)-IncomeTax.

To Clear all Text Fields on the click of Command Button "Clear". (iii)

What is the use of UPDATE statement in SQL ? How is it different from ALTER 5. (a) statement?

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(b) Mr. Shankar created a table VEHICLE with 3 rows and 4 columns. He added 1 more rows to it and deleted one column. What is the Cardinality and Degree of the Table VEHICLE ?





[P.T.O.

Consider the following table named "GYM" with details about fitness items (c) being sold in the store. Write command of SQL for (i) to (iv) and output for (v) to (vii).

Table GYM:

1.4 2.6

ICODE	INAME	PRICE	BRANDNAME
G101	Power Fit Exerciser	20000	Power Gymea

G102	Aquafit Hand Grip	1800	Reliable
G103	Cycle Bike	14000	Ecobike
G104	Protoner Extreme Gym	30000	Coscore
G105	Message Belt	5000	MessagExpert
G106	Cross Trainer	13000	GTCFitness

- To display the names of all the items whose name starts with "A". (i)
- To display ICODEs and INAMEs of all items, whose Brandname is continue (ii) Reliable or Coscore.
- (iii) To change the Brandname to "Fit Trend India" of the item, whose ICODE as "G101".
- Add a new row for a new item in GYM with the details: "G107", (iv)

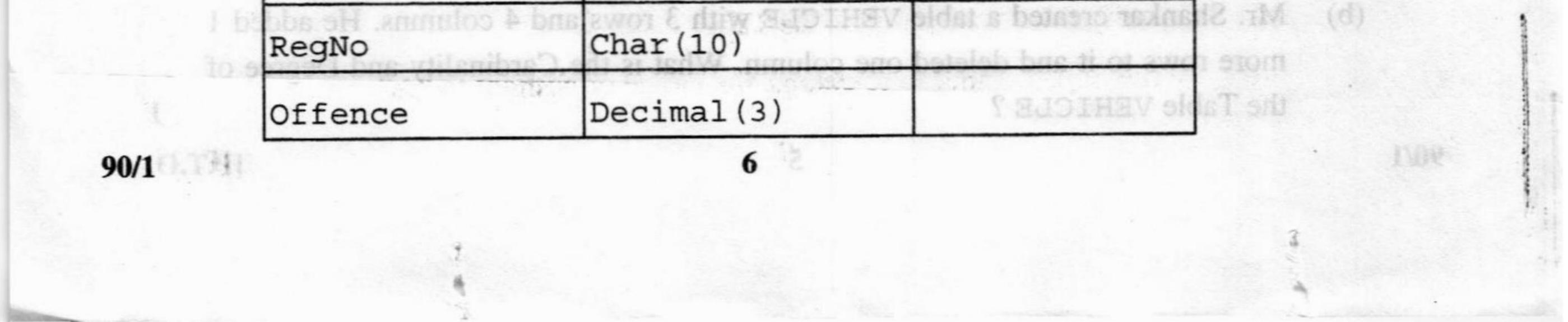
"Vibro exerciser",21000,"GTCFitness" And if is greater or emaina

(DISTINCT (BRANDNAME)) FROM GYM; SELECT COUNT (v) (it) To calculate Salary and display in iTexthields on the (vi) SELECT MAX (PRICE) FROM GYM;

(vii) SELECT INAME FROM GYM WHERE INAME LIKE "%t";

Write SQL command to create the table Vehicle with given constraint. 6. (a)

Table: CHALLAN basmmo to shid and no shier itseT is as O oT (iii)





(2)

In a Database Karnataka_Sangam there are two tables with the instances given (b) below : domain name of one popular e-Commerce site.

Table : STUDENTS

SIGNE

Button,

ADMNO	NAME	CLASS	SEC	RN	ADDRESS	PHONE
1211	Meena	12	D	4	A-26	2345678
1212	Vani	10	D	1	B-25	5456789
1213	Meena	12	Α	1	Function	GM.2
1214	Karish	10	B	3	AB-234	4567890
1215	Suraj	011	IITO C IITO	2	ZW12	4345677

Table : SPORTS

ADMNO	GAME	COACHNAME	GRADE
215	Cricket	Mr.Rai	A
213	Vollyball	Ms. Chadha	B
211	Vollyball	Mr. Govardhan	A
212	Basket Ball	Mr. Tiwani	В

Write SQL queries for the following :

- To count how many addresses are not having NULL values in the address (i) column of students table.
 - To display Name, Class from STUDENT table and the corresponding Grade from SPORTS table. 9
 - To display Name of the student and their corresponding Coachnames from (iii)STUDENTS and SPORTS tables.
- Answer the questions (i) and (ii) based on the following table : (c)

Table : FACULTY

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FNO	FNAME	AGE	DEPARTMENT	GRADE
111	Moksha	40	Biology	A
123	Malini	35	Maths	A
125	Akshit	43	English	B
130	Nishant	27	Maths	В

Identify the Primary Key in the Table Faculty. (i)

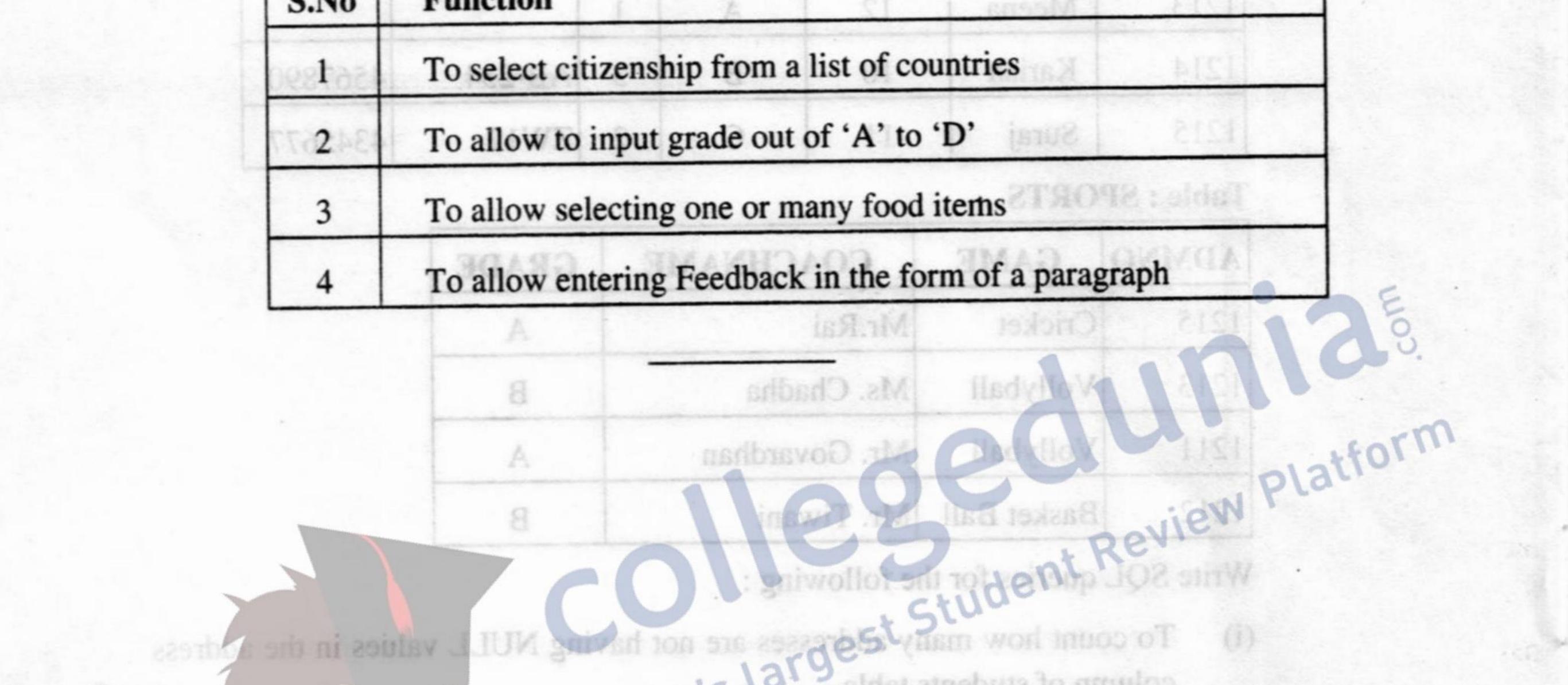
Write SQL Command to change the Grade of Nishant to "A". (ii)

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[P.T.O.

- How popularity of e-Commerce has benefitted a common man ? Give the 7. (a) domain name of one popular e-Commerce site.
 - Give two addresses of most commonly used e-Learning sites. (b)
 - Shobhit is creating a form for his company. Help her to choose most appropriate (c) controls from ListBox, ComboBox, TextField, TextArea, RadioButton, CheckBox, Label and Command Button for the following entries.
 - Function S.No



(ii) To display Name, Class from STUDENT table (a) nibriod Grade from SPORTS table. 9

To display Name of the student and their corresponding Coachnames from STUDENTS and SPORTS tables.

(c) Answer the questions (i) and (ii) based on the following table :

Table : FACHLTY

11.1		Biology	A
			A

