CORE_JAVA_DXC_2022_002			
Employed Duration		Max. Marks 60	
	First 15 minutes are prowhatever code we have Next 30 minutes for Qu Create a project with Co Take care of Plagiarism Referring Java Docume	nestion Part1 and 2.0Hrs for Part2 ollection followed by your first name and emplo	~
Q1.1 What List <integer for (int k 1; Ist for (int k 0; Int Ist } for (Integer Sy (A)123456</integer 	er> 1st = new ArrayList <inte k <= 6: k++) .add(new Integer(k)): k < 3; k++){ eger i Ist.remove(k); .add(i);</inte 	Question Part1 cuting the following code segment? eger>(); (C)456321 (D)246135	
Q1.2 Class pe pe If both call will compil 1. Two met pu pu II. public vo	es Salsa and Swing implementer form (new Salsa()); rform (new Swing()); are valid, which of the followers successfully? hods: blic void perform (Salsa dan blic void perform (Swing da bid perform (Dance dance) oid perform (Object dance) (B)II on1y	wing headers of the perform method(s) in a class Dandace)	
/** Rearran * the value * so that the * Precon */ public v ArrayList < missing of For example List<String words.add words.add words.add int[] indices permute (w words will permute m for (String 1. temp.ad for (int k 0; II. for (int j for (int k = 0) III. while (w</td <td>dition: words.size() indices oid permute(List<string> w. String> temp = new ArrayLis code > le, after executing the code > words = new ArrayList<st ",="" ("am");="" ("i"):="" ("sam");="" 0,="" 1);="" ["s="" am="" become="" d(word);<="" ethod?="" i="" ii="" indices);="" list="" s="" td="" the="" vords,="" word:="" words)="" {2,=""><td>y indices, x indices[k] is moved to the element at index klength ords, int[] indices) { st<string>(); segment tring>(); ", " am"]. Which ofthe following code segments could rds.set(k, temp.get(indices[k]»; get(j)); ords.set(k, temp.get(k)); words.remove(O));</string></td><td>I replace < missing code> in the</td></st></string></td>	dition: words.size() indices oid permute(List <string> w. String> temp = new ArrayLis code > le, after executing the code > words = new ArrayList<st ",="" ("am");="" ("i"):="" ("sam");="" 0,="" 1);="" ["s="" am="" become="" d(word);<="" ethod?="" i="" ii="" indices);="" list="" s="" td="" the="" vords,="" word:="" words)="" {2,=""><td>y indices, x indices[k] is moved to the element at index klength ords, int[] indices) { st<string>(); segment tring>(); ", " am"]. Which ofthe following code segments could rds.set(k, temp.get(indices[k]»; get(j)); ords.set(k, temp.get(k)); words.remove(O));</string></td><td>I replace < missing code> in the</td></st></string>	y indices, x indices[k] is moved to the element at index klength ords, int[] indices) { st <string>(); segment tring>(); ", " am"]. Which ofthe following code segments could rds.set(k, temp.get(indices[k]»; get(j)); ords.set(k, temp.get(k)); words.remove(O));</string>	I replace < missing code> in the

```
(B) II only
                                                          (C) I and II only
                                                                                   (D) II and III only
(A)I only
(E) I, II, and III
Q1.4 What is printed as a result of executing the following code segment?
ArrayList<String> digits new ArrayList<String>();
for (int k = 0; k \le 9; k++)
digits.add("" + k):
for (int k = 0; k \le 4; k++){
        String d1 = digits.remove(k);
        String d2 = digits.remove(k);
        digits.add(k, d1 + "+" + d2);
System.out.println(digits);
(A)[0+1, 1+2, 2+3, 3+4, 4+5]
                                                          (B)[0+1, 2+3, 4+5, 6+7, 8+9]
                                                  (D)[0+1, 1+2, 2+3, 3+4, 4+5, 6, 7, 8, 9]
(C)[0+1, 1+2, 2+3, 3+4, 5, 6, 7, 8, 9]
(E)[0+0, 1+1, 2+2, 3+3, 4+4, 5, 6, 7, 8, 9]
Q1.5 Consider the following interface TV and class MyTV.
public interface TV
void tuneTo(String channel);
public class MyTV implements TV {
private ArrayList<String> myFavoriteChannels;
public MyTV(ArrayList<String> channels) {
/* implementation not shown */ }
public void tuneTo(int k) {
/* implementation not shown */
public void tuneTo(int k, String name) {
/* implementation not shown */ }
One ofthem has one or more errors and won't compile properly. Which ofthe following best describes the compiler errors
reported for the code that is shown?
(A)In the TV interface, the tuneTo method header is missing the keyword public
(B)MyTV should be declared abstract; it does not define tuneTo (String)
(C)tuneTo is defined more than once in MyTV
(D)Cannot convert int to String in the tuneTo method in MyTV
(E)Two errors: (1) tuneTo is defined more than once and (2) cannot convert int to String in the tuneTo (int) method in MyTV
Q1.6 & Q1.7refer to the following class Game and the incomplete class ChessGame.
public class Game
private String gameName:
private List<String> players:
public Game(String name)
gameName =name:
players = new ArrayList<String>();
public Game(String name, String[] people)
gameName= name;
players= new ArrayList<String>();
for (String nm : people)
players.add(nm);
public void addPlayer(String name) { players.add(name); }
public String getPlayer(int k)
return players.get(k-l);
}
public toString ()
return gameName + " game" + players.toString()
public class ChessGame extends Game
public ChessGame(String white, String black)
< missing code>
```

}

Consider the following code segment in a Game's client class.

```
String[] players = {"Annette", "Bertrand",
                            "Claude", "Danielle"};
Game game = new Game ("Bauernschnapsen", players);
System.out.println( < missing expression >);
```

il.com Which of the following can replace < missing expression > so that the code results in printing "Annette"?

```
(A)
     game.getPlayer(0)
```

- (B) game.getPlayer(1)
- (C) game.players.get(0)
- (D) game.players.get(1)
- (E) game.getPlayers().get(0)

Which of the following can replace < missing code > in ChessGame's constructor so that the statement

```
System.out.println(new ChessGame("Deep Blue",
                                       "Kasparov"));
```

prints

```
Chess game [Deep Blue, Kasparov]
            super ("Chess", white, black);
  I.
            super ("Chess");
  П.
            super.addPlayer(white);
            super.addPlayer(black);
            String[] players = {black, white};
 III.
            super ("Chess", players);
```

- (A) I only
- (B) II only
- (C) I and II only
- II and III only (D)
- I, II, and III (E)



Question Part2

- 1. Write a program to show CRUD Operation on student data using ArrayList with menu in main.
- 2. Create a Product class with Product Id & Product Name. Write a program to accept information of 10 products and store that in HashTable. Search a particular product in the Hash Table. Remove a particular product id and product name from the Hash Table.

The product list is as follows:

Product Id	Product Name
P001	Maruti800
P002	MarutiZen
P003	MarutiEsteem

- 3. Implement vector class for this problem
 - 1. Create an Employee class which will have details like EmployeeNo, EmployeeName and Address. You should pass value for EmployeeNo, EmployeeName and Address through constructor.
 - 2. Create a method addInput() which will add employee details to vector.
 - 3. Create method display() which should display all data from vector using Iterator.
- 4. Write a program having user interface like
 - 1. accept first name and surname
 - 2. display total name
 - 3. exit

Option1: should accept First Name and SurName from command prompt and save that to Vector object Option2: it has to display how many names entered in the vector object

This menu should be repeated untill users selects exit.

To store first name and surname, create a class Name with these two attributes.