Class - 10 ICSE

MOCK TEST TERM - 2

COMPUTER

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Time : 2 Hours.   M.M.: 50

SOLUTION

Section - A

1.   (a)   No, we cannot declare a top-level class as private.

     (b)   (i)   System.out.println (S.lastIndexOf (' '));

           (ii) double a = Double.parseDouble (x);

     (c)   No, we cannot assign

     (d)   st - st.replaceAll ("//S", " ");

     (e)   0

2.   (a)   (i)   String to integer -

                 int r = Integer.parseInt (str 1);

                            Or

                 int r = Integer.valueOf (str 1);

           (ii) Integer to string.

                 String str 2 = string. valueOf (x);

     (b)   Sorting :- Sorting is a method to arrange the elements of an array in either ascending or descending order.

           Searching :- Searching is used to search an element in an array.

     (c)   The data type that represents a number of similar or different data under single declaration is called as composite data type. An array is a group or a collection of same type of variables. Hence, array is a composite data type.

     (d)   979899100101

     (e)   We can check whether a string is palindrome or not by comparing the first character of string by the last character. If both are same, then the string is a polindrome.

           eg. MADAM, LIRIL etc.

           For this, we extract every character using .charAt( ) function.

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Section - B

3.   import java.util. * ;

class convert

}

public static void main ( )

}

int ch ;

Scanner sc = new Scanner (system.in);

System.out.prinln (Ënter your choice   / n

1.   Display upper case letters Z to A   /n

2.   Display lower case letters a to z ") ;

ch = sc.nextInt ( );

switch (ch)

}

case 1 :

for (int i = 91; i > = 65; i – –)

}

System.out.prinln ((char)(i));

}

break;

case 2 :

for (int i = 97; I < = 122 ; i + +)

}

System.out.prinln ((char)(i));

}

break;

default:

System.out.prinln ("you entered a wrong choice");

}

}

}

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Varible description

Variable	data type	description
i	int	loop variable
ch	int	to enter the choice from user

4.   import java.util.* ;

class calculate

{

public static void main ( )

{

int Roll [ ] = new int [100] ;

String Name [ ] = new string [100];

int M1 [ ] = new int [100];

int M2 [ ] = new int [100];

in M3 [ ] = new int [100];

in M4 [ ] = new int [100];

int M5 [ ] = new int [100];

int M6 [ ] = new int [100];

int total ;

double per ;

Scanner sc = new Scanner (System. in);

System.out.println ("Enter the Roll no and names of students");

for (i = 0; i < 100 ; i + +)

{

Roll [i] = sc.nextInt ( );

Name [i] = sc.readLine();

}

System.out.println ("Enter the marks of Maths, Physics, Chemistry, Biology, English");

for (i = 0; i < 100; i + +)

{

M1 [i]   = sc.nextInt( );

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```
M2 [i]      = sc.nextInt( );

M3 [i]      = sc.nextInt( );

M4 [i]      = sc.next Int( );

M5 [i]      = sc.nextInt ( );

M6 [i]      =sc.nextInt( );

}

for (i = 0; i < 100 ; i + +)

{

total = M1[i] + M2[i] + M3[i] + M4[i] + M5[i] + M6[i];

per = total / 6;

if (per > = 80 & per < = 100)

Sopln ("grade is A")'

else if (per > = 60 & & per < = 79)

Sopln ("grade is B");

else if (per > = 40 && per < = 59)

Sopln ("grade is C");

else if (per < 40)

Sopln ("grade is D");

total = 0 ;

per = o.od;

}
```

5.      ```
import java.util *;

class candidate

{

private long RNO;

private String Name;

private float Score;

private String Remarks ;

private void assignrem (float scr)

{

if (Scr > = 50)
```

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```java
Sopln ("Selected");
else
Sopln ("Not selected");
}
public void Enter ( )
{
Sopln ("Enter the Roll no, Name, and Score");
RNO = sc.nextlong ( );
Name = sc.readLine ( );
Score = sc.nextFloat ;
Candidate obj = new candidate ( );
obj.assignment (score);
}
public void DISPLAY ( )
{
Sopln ("Role No. = " + RNO);
Sopln ("Name = "+ Name);
Sopln ("Score = "+ Score);
}
public static void main ( )
}
Candidate obj 1 = new candidate( );
obj 1. Enter ( );
obj 1. DISPLAY ( )
}
}
```