Question-1:

Write a java program to display the following mersages

Hello "ITERIAN" Welcome to Siksha 'O' Anusandhan Family. Welcome to "Introduction to Computer Laboratory" Java is fun for All !!

Ans.

public class Q1

public static void main (Stoing args[])

System. out. println ("Hello \" JTERIAN\""); System. out. println ("Welcome to Siksha 'O' Anusardhan Family");

System.out.prointln("Welcome to "Introduction to Computer Laboratory");

System.out. println ("Java is fun for All!!");

Output:

Hello "ITERIAN"

Welcome to Siksha 'O' Ancisandhay Family Welcome to "Introduction to Computer Laboratory

Jana is fun for All!!

```
Question-2:
Write a complete java program to show the
pattern similar to the following.
public class Q2
Epublic static void main (String args[])
 System. out. println ("** * * * *
 System. out . pointla ("
 System. ont. prointh ("
 Output:
```

```
Question-3:
Write a java program to proint the following
 pattern neing Hach. (#).
          #########
         ##
         ##
         # # # # # # # #
Ans.
public class Q3
  public static void main (String [] args)
    System. out. println(" # # # # # # # # ");
   System. out. prointln ("##
   System. out. prointln ("##
   System. out. println ("#######);
```

Question 4:
Write a java program that will display your First,
middle and Last name in different lines
without wing method printh().

Ans.

Public class Q4

{

public static void main (String args[])

{

System. out. print ("Suryam Madhab In Moharan");
}

Suryanadhab Moharana 85: Write a gava program to greet someone. Your program stores person name and greetings message into two variables and display their values on the screen. Fg. Hey Rishi, Good Morning! public class Q5 public static void main (String args[]) String name = "Rishi"; String greeting = "Good Morning!"; System. out. println ("Hey" + name +", "+ greeting); Output: Hey Rishi, Good Mooning!

Question 6: Write a java program to exchange store your Bank account no, name, and balance in three different variables and displays their values on the big ecreen given. "My name is Ancit Kunar bearing, account number 123456 having, balance 7654.98". public class Q6 ¿ public static void main (Storng args []) String name = "Anuit Kumar"; int acc-no= 123456; double bal = 7654,98; System. out . println ("\" My name is "+ name + " bearing account number "+ acc-no+" having balance's + bal +""); Butput

"My name is Anuit Rumar bearing account number 123456 having balance 7654.95.

Question 7: Write a java program to exchange the values of two variables of integer type x and Y wing there temporary variable I. Ans. public class Q7 public static void main (Strueng args[]) int x = 5; int Y = 9; int Z; System. out. println ("Before Swapping, X="+x+","+Y="+ Z = X; x = 7: System.out.println ("After snapping, x="+x+", Y= "+y); Before swapping, X=5, Y=9 After emapping, Y=9; Y=5

```
Question 8:
Write a jara program to exchange the values
of two variables of integer type X and Y without using third temporary variable.
 public class Q8
   public static void main (Strong args [])
   E int X, Y = 5,9;
System. out. println ("Before swapping: X="+X+", Y="
+Y)
   X= X + Y;
   A=X-A;
    X= X-X;
    System, out println ("After snoapping: x="+x+", y="+y)
  Before sneapping: x=5, y=9
  After swapping: X=9; Y=5.
```

```
Question 9:

what do each of the following print?

a) System out println(5);

b) System out println ((float)25/6);

c) System out println(5+6');

d) System out println(5+7+9');

e) System out println("92"+7+5);

f) System out println(2+"9");

Tutput:
```

```
Question 10:
Assume a string variable ruler 1 "has "1"
énitially ie. String onler1 = "1"; Write a j'ava
program to point the following output using
Stoing concatanation. (You can take extra string
 Variable).
Ans
public class Q10
 public static void main (String ange [])
    String ruler1 = "1";
    System. out/println (ruler);
    vuler 1 = fuler 1 + "2" + vuler 1;
    System. out. prointh (ouls);
    onler 1 = ruler 1 + "3" of onler 1;
    System. out. printh (onler 1):
   mlers = mlers + "4" + mlers;
   System. out. printle (ouler 1);
```

## HOME ASSIGNMENT- 1

## Question 1.

a) System. out. println(2+"bc");
b) System. out. println(2+3+"bc");
c) System. out. println(2+3+"bc");
d) System. out. println((2+3)+"bc");
d) System. out. println("bc"+(2+3));

e) System. out. printin ("bc" + 2+.3);

Ans. 2bc 5bc 5bc bc5 bc23.

## Question 2:

what do each of the following print?

a) System out printin('b');

b) System.oul. println('b'+'e');

e) System. out. println ((char) (a+4'));

Ans. 6

Question 3:

Suppose that a variable a is declared as int a = 2147483647 (or equivalently, Integer. MAX\_VALUE). What do each of the following print?

- a) System. out. printly(a);
- b) System. out println(a+1);
- c) System. out println (2-a);
- d) System. out. printer (-2-a);
- e) System. out. printin (2\*a);
- f) System. out. prointin (4xa);

Ans. 2147483647

- -2147483648
- -2147 483645
  - 2147483647
- -2-
- -4

Question 4:

Suppose a varrable is declared as double as. 3.14159. What do each of the following print?

- a) System.out.println(a);
- b) System. out. prointln ( a+1):
- e) System. out. println (8/(int)a);

- d) System out println (8/a);
- e) System. out println ((int) (8/a));

Any 3.14159 4.14159

2.5464812403910124

2

## Question 5:

Write a java program to exchange the value of 4 variables W, G, K, A such that the value of W will move to A, A to K, K to G and finally G to W. Exchange using with and without using extra variable.

Ans public class P5

public Static void main (String arg[])

ent but 1;

int 9=2;

int K = 3;

int A=4;

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Systemoout pointly (Values before swappings are "+ bo+", "+ g+", "+ K+", "+A); w=w+G; 9=W-9; W=W-9; G= G+K; K = G - K; G= G-K; K=K+A A=K-A; K=K-A System. out. println ("Values after exchanging are"+W+","+G+","+K+","+A);

output:

Values before exchanging are 1,2,3,4 Vateres after exchanging are 4,1,2,3.