

25/9/24 W -①

Q) A program to print "Hello World".

Ans

```
class hello_world {  
    public static void main(String[] args)
```

```
    {  
        System.out.println("Hello World");  
    }
```

3

O/P

Hello World

Q) A program to print / check for a prime no

```
class prime_no {
```

```
    public static void main(String[] args)
```

```
    {  
        int n = 6
```

```
        int count = 0;
```

```
        for (int i = 2; i < n; i++)
```

```
        {  
            if (n % i == 0)
```

```
            count = 1;
```

```
            System.out.println("The number " + n  
                + " is not prime")
```

```
            break;
```

```
    }  
    if (count == 0)  
    {  
        system.out.println("The number "+m+" is prime");  
    }  
}
```

Output:- The number 6 is not prime

Q) WAP to print fibonacci numbers

class Fibonacci {

```
public static void main(String[] args)
```

```
{
```

```
    int m = 6;
```

```
    int a = 0, b = 1, c = 1;
```

```
    for (int i = 0; i < m; i++)
```

```
        system.out.println(a);
```

```
        a = b;
```

```
        b = c;
```

```
        c = a + b;
```

```
    }
```

```
}
```

```
}
```

Q/P 0  
1  
2  
3  
4  
5

Q) WAP to find if a triangle is scalene, isosceles or equilateral triangle.

class Triangle {

public static void main (String [] args)

{

int a = 2, b = 2, c = 3;

if (a == b && b == c)

{

System.out.println ("Equilateral triangle");

}

else if (a == b || b == c || a == c)

{

System.out.println ("Isosceles triangle");

}

else

{

System.out.println ("Scalene triangle");

}

}

}

}

}

O/P:- Isosceles triangle

Q) WAP to calculate simple interest

class interest {

public static void main (String [] args)

{ int p = 1000, r = 10, t = 5;

int si = (p \* r \* t) / 100;

System.out.println (si);

3

O/P: 500

Q) b). WAP to swap two numbers.

class swap {

public static void main (String [] args)

{ int a = 2, b = 3;

System.out.println ("a = " + a + " b = " + b);

System.out.println ("After swapping: ");

int temp = a;

a = b;

b = temp;

System.out.println ("a = " + a + " b = " + b);

O/P:-  $a = 2$      $cb = 3$

After swapping

$a = 3$      $cb = 2$

✓  
WR