25-9-24
Week-6

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17 WAP to print 'Hello World'.

→
```
class hello_world {
    public static void main (String[] args){
        System.out.print ("Hello World");
    }
}
```

O/P

Hello World

27 WAP to check if a no. is prime or not.

→
```
class prime{
    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.print ("Not Prime");
                break;
            }
        }
        if (count==0) System.out.print ("Prime");
    }
}
```

O/P Not Prime.

3) WAP to print fibonacci series

```
class fib{
public static void main (String[] args){
int n = 6;
int a = 0, b = 1, c = 1;
for (int i=0; i<n; i++){
System.out.print (a+" ");
a=b;
b = c;
c = a+b;
}}}
```

O/P

0 1 1 2 3 5

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

```
class Triangle {
public static void main (String [] args){
int a = 2, b = 2, c = 3;
if (a==b && b==c) System.out.print("Equilateral");
else if (a==b || b==c || a==c) System.out.
                                print ("Isosceles");
else System.out.print ("Scalene");
}}
```

O/P

Isosceles

5> 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.print(si);
} }
```

O/P

500

6> WAP to swap two numbers

```
class swap {
public static void main (String [] args) {
int a=2, b=3;
System.out.print("a="+a+" b="+b+"\n");
System.out.print("After swapping:\n");
int temp = a;
a = b;
b = temp;
System.out.print("a="+a+" b="+b);
}
}
```

O/P

a=2 b=3

After swapping

a=3 b=2