

25/09/24

Q1) WAP to print "Hello World"

```
import java.util.*;
```

```
class hello_world {
```

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

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

Output

Hello World

Q2) WAP to check if a number is prime

```
import java.util.*;
```

```
public class prime {
```

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

```
int num = 7;
```

```
int cnt = 0;
```

```
for (int i = 0; i < num/2; i++) {
```

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

```
System.out.println ("Not prime");
```

```
cnt++;
```

```
break; }
```

```
if (cnt == 0) {
```

```
System.out.println ("Prime"); }
```

Output

Prime

Q3) WAP to print fibonacci series

```
import java.util.*;
```

```
public class fib{
```

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

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

```
System.out.print ("First 10 terms of Fibonacci series are: " + a + " " + b + " ");
```

```
for (int i=0; i<9; i++) {
```

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

```
a=b;
```

```
b=c;
```

```
System.out.println (" " + c); } } }
```

Output

First 10 terms of Fibonacci series are!

0 1 1 2 3 5 8 13 21 34

Q4) WAP to check if a triangle is equilateral, scalene or isosceles

```
import java.util.*;
```

```
public class triangle {
```

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

```
int a=5, b=7, c=7;
```

```
if (a==b) {
```

```
if (b==c) {
```

```
System.out.println ("Equilateral"); }
```

```
else {
```

```
System.out.println ("Isosceles"); }
```

```
else {
```

```
if (b==c) {
```

```
System.out.println ("Isosceles"); }
```

```
else if (a==c) {
```

```
System.out.println ("Isosceles"); }
```

```
else {
```

```
System.out.println ("Scalene"); } } } }
```


Q5) WAP to calculate simple interest

import

Output
Isosceles

Q5) WAP to calculate simple interest

```
import java.util.*;  
public class simp_int {  
    public static void main (String [] args) {  
        int p = 40000, r = 10, t = 5;  
        float si = p * r * t / 100;  
        System.out.println("SI on Rs. 40000 at 10% p.a. for 5 years = Rs. " + si);  
    }  
}
```

Output

SI on Rs. 40000 at 10% p.a. for 5 years = Rs. 20000

Q6) WAP to swap two numbers

```
import java.util.*;  
public class swap {  
    public static void main (String [] args) {  
        int a = 5, b = 6, c;  
        System.out.println("Before swapping: a = " + a + " b = " + b);  
        c = a;  
        a = b;  
        b = c;  
        System.out.println("After swapping: a = " + a + " b = " + b);  
    }  
}
```


Output-

Before swapping: $a=5$ $b=6$

After swapping: $a=6$ $b=5$

