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Q1 WAP to print 'Hello World'

```
import java.util.*;
public static void main (String [] args) {
System.out.println ("Hello World"); }}
```

OUTPUT

Hello World

Q2 WAP to check a number is prime or not.

```
import java.util.*;
public class prime {
public static void main (String [] args) {
int num = 29;
int flag = 0;
for (int i = 2; i < num; i++) {
if (num % i == 0) {
flag = 1;
break; }}
if (flag == 0) {
System.out.println ("Prime"); }
else {
System.out.println ("NOT PRIME"); }}}
```

OUTPUT

Prime

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Q3 WAP for fibonacci numbers

```
import java.util.*;
public class fibonacci{
public static void main (String[] args){
int a=0, b=1, c;
System.out.println("First 5 fibonacci Numbers are:");
System.out.println(a);
System.out.println(b);
for(i=0; i<3; i++){
c=a+b;
a=b;
b=c;
System.out.println(c);}}}
```

OUTPUT

First 5 fibonacci Numbers are:

0

1

1

2

3

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Q4 WAP to check type of triangle

```
import java.util.*;
public class triangle {
public static void main (String [] args) {
int a=10, b=12, c=10;
if (a==b) {
if (b==c) {
System.out.println ('EQUILATERAL');}}
else if (a==b || b==c || c==a) {
System.out.println ('ISOSCELES');}
else{
System.out.println ('SCALENCE');}}}
```

OUTPUT

ISOSCELES

Q5 WAP to calculate simple interest.

```
import java.util.*;
public class interest {
public static void main (String [] args) {
int p=1000, r=10, t=2;
float si = (p*r*t/100);
System.out.println (si);}}
```

OUTPUT

200.0

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Q6 WAP to swap 2 numbers.

```
import java.util.*;
public class swap{
public static void main(String[] args){
int a=10, b=5, temp;
temp=a;
a=b;
b=temp;
System.out.println("a="+a);
System.out.println("b="+b);
```

OUTPUT

a=5

b=10