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1. Program to print hello world.

```
class hellaworld {
public static void main (string a[_] ) {
system.out.println (" Hello World" );
}
}
```

Output
Hello World

2. Program to swap two numbers

```
class swap {
public static void main (string a[] ) {
int b = 10, c = 5, d;
d = b;
b = c;
c = d;
system.out.println (b);
system.out.println (c);
}
}
```

Output
5
10

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3. Program to check if a number is prime

```
class prime {
public static void main (String a[])
{
int x = 2 ;
int flag = 0 ;
for (int i = 2 ; i < x ; i++) {
if (x % i == 0)
{
  flag = 1 ;

}
}
if (flag == 1) {
system.out.println ("not prime") ;
}
else {
system.out.println ("prime") ;
}
}
}
```

Output

Prime

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4. Program to print fibonacci series

```
class fib {
public static void main (string a[]) {
int n1 = 0, n2 = 1;
int num = 5;
int n3;
System.out.println (n1);
system.out.println (n2);
for (int i = 3; i <= num; i++) {
  n3 = n1 + n2;
System.out.println (n3);
n1 = n2;
n2 = n3;
}
}
```

Output:
0 1 1 2 3

5. Program to calc. S I

```
class SI {
public static void main (string a[]) {
int p = 1000, t = 3;
double r = 0.2;
double interest;
interest = (p * t * r);
system.out.println (interest);
}
}
```

output:
600

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6. Program to check a triangle

```
class triangle {
public static void main (string a[]){
int s1 = 10, s2 = 10, s3 = 10;
if (s1 == s2 && s1 == s3)
system.out.println (" Equilateral");
else if (s1 == s2 || s1 == s3 || s2 == s3)
system.out.println (" Isosceles");
else
system.out.println (" Scalene");
}
}
```

output
Equilateral

25-9-24