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1. printing "Hello World".

→
```
class helloworld
{ public static void main(String[]a)
{ System.out.println("Hello World");
}
}
```

outputs:

```
D:\BM23CS015>javac helloworld.java
D:\BM23CS015>java helloworldjava
Hello World
```

2. Fibonacci series

```
class fibonacci
{ public static void main(String[]args)
{ int a=0, b=1, c;
  System.out.print(a+" "+b+" ");
  for(int i=2; i<=10; i++)
  { c=a+b;
    a=b;
    b=c;
    System.out.print(c+" ");
  }
}
}
```

Output: 0 1 1 2 3 5 8 13 21 34 55

3. To check if a triangle is isosceles, equilateral or scalene.

→
```
class triangle
{
  public static void main(String [ ]args)
  { int a = 3, b = 5, c = 3;
    if (a==b && b==c)
    { System.out.print ("equilateral triangle");
    }
    else if ((a==b)||(b==c))
    { System.out.print ("isosceles triangle");
    }
    else
    { System.out.print("scalene triangle");
    }
  }
}
```

Output:→ scalene triangle

4. to swap two numbers

→
```
class swap
{
  public static void main(String[]args)
  { int a=5, b=9;
    int c;
    a=b
    b=c;
    System.out.print ("a: "+a+"b="+b);
  }
}
```

→ a=9 b=5

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5. to check if a number is prime or not

→

```
class prime
{
  public static void main (String[] args)
  {
    int a=7, n=0;
    for(int i=2; i<=a/2; i++)
    { if (a%i==0)
      { System.out.println ("Not prime");
        n++;
      }
      if (n==0)
      { System.out.print ("Prime");
      }
    }
}
```

→ Output: Prime.

6. To calculate simple interest

→

```
class interest
{ public static void main(String[] args)
  { int p=1000, r=5, t=3, si;
    si = (p*r*t)/100;
    System.out.print(si);
  }
}
```

Output : 150.