```
01.class Example{
   public static void main(String args[]){
        System.out.println("Hello java");
        }
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
Hello java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$

```
02.class Example{
   public static void main(String args[]){
        System.out.println("Hello java");
        System.out.println("Hello java");
        System.out.println("Hello java");
        System.out.println("Hello java");
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
Hello java
Hello java
Hello java
Hello java

```
03.class Example{
   public static void main(String args[]){
        System.out.println("A");
        System.out.println("B");
        System.out.println("C");
        System.out.println("D");
   }
}
```

eshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
A
B
C
D

```java
04.class Example{
    public static void main(String args[]){
        System.out.println("1");
        System.out.println(1000);
        System.out.println(1.23);
    }
}
```

```
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java
Example
1
1000
1.23
```

```java
05.class Example{
    public static void main(String args[]){
        System.out.print("A");
        System.out.print("B");
        System.out.print("C");
        System.out.print("D");
    }
}
```

```
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java
Example
ABCD
```

```
06.class Example{
   public static void main(String args[]){
        System.out.print("A");
        System.out.print("B");
        System.out.print("C");
        System.out.print("C");
        System.out.print("D");
        System.out.print("D");
        System.out.print("E");
        }
}
```

eshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
ABCCDDE

```
07.class  Example{
   public static void main(String args[]){
        System.out.print("A");
        System.out.print("B");
        System.out.print("C");
        System.out.print("D");
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
ABCD

```
08.class Example{
    public static void main(String args[]){
        System.out.println("A");
        System.out.println("B");
        System.out.println();
        System.out.println("C");
        System.out.println("D");
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
A
B

C
D

```
09.class Example{
    public static void main(String args[]){
        System.out.println("A");
        System.out.println("B");
        System.out.print();
        System.out.println("C");
        System.out.println("D");
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
Example.java:5: error: no suitable method found for print(no arguments)
        System.out.print();
                  ^
        method PrintStream.print(boolean) is not applicable
        (actual and formal argument lists differ in length)
        method PrintStream.print(char) is not applicable
        (actual and formal argument lists differ in length)
        method PrintStream.print(int) is not applicable
        (actual and formal argument lists differ in length)
        method PrintStream.print(long) is not applicable
        (actual and formal argument lists differ in length)
        method PrintStream.print(float) is not applicable
        (actual and formal argument lists differ in length)
        method PrintStream.print(double) is not applicable
        (actual and formal argument lists differ in length)
        method PrintStream.print(char[]) is not applicable
        (actual and formal argument lists differ in length)
        method PrintStream.print(String) is not applicable
        (actual and formal argument lists differ in length)
        method PrintStream.print(Object) is not applicable
        (actual and formal argument lists differ in length)
1 error

```
10.class Example{
    public static void main(String args[]){
        int x;
        x=100;
        System.out.println(x);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
100

```
11.class Example{
    public static void main(String args[]){
        int x;
        x=100;
        System.out.println(x);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
100

```
12.class Example{
    public static void main(String args[]){
        int x;
        System.out.println(x);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
Example.java:4: error: variable x might not have been initialized
        System.out.println(x);
                           ^
1 error

```
13.class Example{
   public static void main(String args[]){
        int x;
        System.out.println(x);
        x=100;
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
Example.java:4: error: variable x might not have been initialized
        System.out.println(x);
                           ^
1 error

```
14.class Example{
   public static void main(String args[]){
        int x;
        x=100;
        x=200;
        System.out.println(x);}}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
200

```
15.class Example{
    public static void main(String args[]){}
        int x;
        x=100;
        System.out.println(x);
        x=200;
        System.out.println(x);
    }
}
```

```
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
Example.java:4: error: <identifier> expected
        x=100;
         ^
Example.java:5: error: <identifier> expected
        System.out.println(x);
                          ^
Example.java:5: error: <identifier> expected
        System.out.println(x);
                            ^
Example.java:6: error: <identifier> expected
        x=200;
         ^
Example.java:7: error: <identifier> expected
        System.out.println(x);
                          ^
Example.java:7: error: <identifier> expected
        System.out.println(x);
                            ^
Example.java:9: error: class, interface, or enum expected
}
^
7 errors
```

```
16.class Example{
    public static void main(String args[]){
        int x;
        x=100;
        System.out.println(x);
        int y;
        y=200;
        System.out.println(y);
    }
}
```

eshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
100
200

```
17.class Example{
    public static void main(String args[]){
        int x;
        x=100;
        System.out.println(x);
        y=200;
        System.out.println(y);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
Example.java:6: error: cannot find symbol
        y=200;
        ^
  symbol: variable y
  location: class Example
Example.java:7: error: cannot find symbol
        System.out.println(y);
                           ^
  symbol: variable y
  location: class Example
2 errors

```
18.class Example{
    public static void main(String args[]){
        int x,y,z,total;
        x=100;
        System.out.println(x);
        y=200;
        System.out.println(y);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java
Example
100
200

```
19.class Example{
    public static void main(String args[]){
        System.out.println("AB\tCD");
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
EXample.java
error: file not found: EXample.java
Usage: javac <options> <source files>
use --help for a list of possible options

```
20.class Example{
    public static void main(String args[]){
        int x=100;
        int y=200;
        System.out.println(x);
        System.out.println(y);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java
Example
100
200

```
21.class Example{
    public static void main(String args[]){
        int x=100,y,z=200;
        System.out.println(x);
        y=300;
        System.out.println(y);
        System.out.println(z);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
100
300
200

```
22.class Example{
    public static void main(String args[]){
        int x=100,y,z=200;
        System.out.println(x);
        System.out.println(z);
        int z;
        z=400;
        System.out.println(z);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
Example.java:6: error: variable z is already defined in method main(String[])
        int z;
            ^
1 error

```
23.class Example{
   public static void main(String args[]){
        int x=100;
        int y=200;
        System.out.println(x);
        System.out.println(y);
        x=y;
        System.out.println(x);
        System.out.println(y);
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
100
200
200
200

```
24.class Example{
   public static void main(String args[]){
        System.out.println('A');
        System.out.println("A");
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
A
A

```
25.class Example{
   public static void main(String args[]){
        System.out.println('A');
        System.out.println("A");
        System.out.println("AB");
        System.out.println('AB');
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
Example.java:6: error: unclosed character literal
        System.out.println('AB');
                           ^
Example.java:6: error: unclosed character literal
        System.out.println('AB');
                              ^
Example.java:6: error: not a statement
        System.out.println('AB');
                               ^
3 errors

```
26.class Example{
   public static void main(String args[]){
        System.out.println('A'); //Character A
        System.out.println('7'); //Character 7
        System.out.println('7'); // Integer 7
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java
Example
A
7
7

```
27.class Example{
   public static void main(String args[]){
        System.out.println("AB\bCD");
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java
Example
AB
CD

```
28.class Example{
   public static void main(String args[]){
        System.out.println("AB\nCD");
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java
Example
AB
CD

```
29.class Example{
   public static void main(String args[]){
        System.out.println("AB"CD");
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
Example.java:3: error: ')' expected
        System.out.println("AB"CD");
                              ^
Example.java:3: error: unclosed string literal
        System.out.println("AB"CD");
                                 ^
2 errors

```
30.class Example{
   public static void main(String args[]){
        System.out.println("AB\\CD");
        System.out.println("AB\'CD");
        System.out.println("AB\"CD");
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
AB\CD
AB'CD
AB"CD

```
31.class Example{
   public static void main(String args[]){
        System.out.println("AB\nCD");
        System.out.println("AB\tCD");
        System.out.println("AB\fCD");
        System.out.println("AB\bCD");
        System.out.println("AB\rCD");
        System.out.println("AB\\CD");
        System.out.println("AB\'CD");
        System.out.println("AB\"CD");
        System.out.println("AB\wCD");
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
Example.java:11: error: illegal escape character
        System.out.println("AB\wCD");
                              ^
1 error

```
32.class Example{
    public static void main(String args[]){
        System.out.print("A\nB");
        System.out.println("Cd");
        System.out.print("\nEF\n");
        System.out.print("G\nH");
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
A
BCd

EF
G

```
33.class Example{
    public static void main(String args[]){
        System.out.println(10+20);
        System.out.println("10"+"20");
        System.out.println("10"+20);
        System.out.println(10+"20");
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
30
1020
1020
1020

```
34.class Example{
   public static void main(String args[]){
        System.out.println(4032016);
        System.out.println("04-03-2016");
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
4032016
04-03-2016

```
35.class Example{
   public static void main(String args[]){
        int x,y,z;
        x=10;
        y=20;
        z=x+y;
        System.out.println(x+"+"+y+"="+z);
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
10+20=30

```java
36.class Example{
   public static void main(String args[]){
        int x=10,y=20;
        System.out.println(x+y);
        System.out.println("x"+"y");
        System.out.println("x+y");
        System.out.println("x"+y);
        System.out.println(x+"y");
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
30
xy
x+y
x20
10y

```java
37.class Example{
   public static void main(String args[]){
        System.out.println(10+20+30);
        System.out.println("10+20+30");
        System.out.println("10+20"+30);
        System.out.println("10"+"20"+"30");
        System.out.println("10"+20+30);
        System.out.println(10+20+"30");
        System.out.println(10+"20"+30);
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
60
10+20+30
10+2030
102030
102030
3030
102030

```
38.class Example{
   public static void main(String atgs[]){
        int x=10,y=20,z=30;
        System.out.println(x+y+z);
        System.out.println("x"+"y"+"z");
        System.out.println("x+y"+z);
        System.out.println("x"+y+z);
        System.out.println(x+y+"z");
        System.out.println(x+"y"+z);
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
60
xyz
x+y30
x2030
30z
10y30

```
39.class Example{
   public static void main(String args[]){
        int x=10,y=20;
        System.out.println(x+" "+y);
   }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
10 20

```
40.class Example{
    public static void main(String args[]){
        int x=10;
        System.out.println("Value of x is:"+x);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
Value of x is:10

```
41.class Example{
    public static void main(String args[]){
        int x,y;
        x=10;
        y=20;
        System.out.println(x+"+"+y+"="+x+y);
        System.out.println(x+"+"+y+"="+(x+y));
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
10+20=1020
10+20=30

```
42.class Example{
    public static void main(String arsg[]){
        int x,y;
        x=10;
        y=20;
        System.out.println("x:",x);
        System.out.println("x:"x);
        System.out.println(x+ +y);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
Example.java:7: error: ')' expected
        System.out.println("x:"x);
                               ^
Example.java:7: error: ';' expected
        System.out.println("x:"x);
                               ^
2 errors

```
43.class Example{
    public static void main(String args[]){
        int x,y,z;
        x=input.nextInt();
        y=input.nextInt();
        z=x+y;
        System.out.println(x+"+"+y+"="+z);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
Example.java:4: error: cannot find symbol
        x=input.nextInt();
          ^
  symbol: variable input
  location: class Example
Example.java:5: error: cannot find symbol
        y=input.nextInt();
          ^
  symbol: variable input
  location: class Example
2 errors

```
44.class Example{
    public static void main(String args[]){
        int x;
        System.out.println(x);
        x=100;
        System.out.println(x);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
Example.java:4: error: variable x might not have been initialized
        System.out.println(x);
                           ^
1 error


```
45.class Example{
    public static void main(String args[]){
        for(int i=0;i<10;i++)
        System.out.println(i);
        System.out.println(i);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac
Example.java
Example.java:5: error: cannot find symbol
        System.out.println(i);
                           ^
  symbol: variable i
  location: class Example
1 error

```
46.import java.util.*;
class Example{
    public static void main(String args[]){
        Scanner input=new Scanner(System.in);
        int a=input.nextInt();
        int x;
        if(a>100){
            x=100;
        }
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
Example.java:5: error: cannot find symbol
        int a=input.nextInt();
                   ^
  symbol: method nextInt()
  location: variable input of type Scanner
1 error

```
47.class Example{
    public static void main(String args[]){
        for(int i=0;i<10;i++){
            System.out.println(i);
        }
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
0
1
2
3
4
5
6
7
8
9

```java
48.import java.util.*;
class Example{
    public static void main(String args[]){
        Scanner input=new Scanner(System.in);
        System.out.print("input an integer:");
        int num=input.nextInt();
        int fact=1;
        for (int i=num;i>0;i--){
            System.out.print(i+"*");
            fact*=i;
        }
        System.out.println("\b\b="+fact);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
Example.java:6: error: cannot find symbol
        int num=input.nextInt();
                     ^
  symbol: method nextInt()
  location: variable input of type Scanner
1 error

```java
49.class Example{
    public static void main(String args[]){
        int x=10,y=20;
        System.out.println(x+""+y);
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
1020

```
50.class Example{
    public static void main(String args[]){
        System.out.println('A');
        System.out.println("A");
    }
}
```

heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ javac Example.java
heshan@heshan-VivoBook-ASUSLaptop-X513EPN-X513EP:~/Documents/ijse$ java Example
A
A