Break can be used in a loop or switch case only.

Break will break the current loop

Demo:

**import static java.lang.System.out;**

**import java.util.\*;**

**public class Main {**

12

12%1==0 1

12%2==0 2

12%3==0 3

12%4==0 4

12%5==0 no

12%6==0 6

12%7==0 no

12%8==0 no

12%9==0 no

12%10==0 no

12%11==0 no

12%12==0 1

for(i=1;i<=no;i++)

If(no%i==0)

o.p (i)

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

**int** i;

**for**(i=1;i<=5;i++)

{ **if**(i==4)

**break**;

***out.print (***i);//1 2 3

12 6

15 5

34 17

}

***out.print (***i);//4

}

}

//accept a number and print all its factors

**import static java.lang.System.out;**

**import java.util.\*;**

**public class Main {**

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

**int c=0;**

**int** no;

2, 13, 18, 17

**int** i;

Scanner sc=**new** Scanner(System.***in***);

***out.print (***"Enter number");

***out.print (***"1");

no=sc.nextInt();//17

int n=no/2 ==8

**for**(i=2;i<=n;i++)

{ **if**(no%i==0) //17%2 3 4 5 6 7 8

{c++;

***out.print (***i);//2 3 4 6

}

}

***out.print (***no);//12 ***out.print (c+2***);//

}

What will be the out put if user enter 5,19, 17 observe carefully?

Now lets discuss program to find prime number.

**import static java.lang.System.out;**

**import java.util.\*;**

**public class Main {**

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

Scanner sc=**new** Scanner(System.***in***);

2

3 5

7 11 13

***out.print (***"Enter number");

**int** no;

**int** i,flag=0;

no=sc.nextInt();//2 5 12

**for**(i=2;i<=no/2;i++)//2

{ **if**(no%i==0)//5 2

{ flag=1;

**break**;

}

}

**if**(flag==1)

***out.print (***"not is prime");

**else**

***out.print (***"prime number");

}

//Continue will continue the current loop it is used inside a loop only.

It is used to skip some line of code.

**int** main( ) {

**int** i;

**for**(i=1;i<=5;i++)

{ **if**(i==4)

**continue**;

***out.print(***i);//1 2 3 5

}

}

}

**import static java.lang.System.out;**

**import java.util.\*;**

**public class Main {**

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

**int** i=3;

**if**(i==4)

**break**;

***out.print (***i);//1 2 3

***out.print (***i);//4

}

}