

# Folder Basic Programs

12 printable files

(file list disabled)

Basic Programs\Array.java

```
1 public class Array {  
2     // sum of all elements  
3     public static void main(String args[]){  
4         int arr[] = {1,2,3,4};  
5         int sum = 0;  
6         for(int i=0;i<4;i++){  
7             sum += arr[i];  
8         }  
9         System.out.print("Sum : "+sum);  
10    }  
11 }  
12 }
```

Basic Programs\DefaultConstructor.java

```
1 class A {  
2     public A() {  
3         System.out.println("Default constructor is called..");  
4     }  
5 }  
6  
7  
8  
9 // constructor  
10 public class DefaultConstructor{  
11     public static void main(String args[]) {  
12         A obj = new A();  
13     }  
14 }  
15 }
```

Basic Programs\MultilevelInheritance.java

```
1 class Animal {  
2     public Animal() {  
3         System.out.println("Animal constructor is called..");  
4     }  
5  
6     void eat() {  
7         System.out.println("Animal is eating");  
8     }  
9 }  
10 }
```

```

11 class Cat extends Animal {
12     public Cat() {
13         System.out.println("Cat constructor is called..");
14     }
15
16     void meow() {
17         System.out.println("Cat meow...");
18     }
19 }
20
21 class BabyCat extends Cat{
22     void BabyCatmeow() {
23         System.out.println("BabyCat meow...");
24     }
25 }
26 // multilevel inheritance
27 public class MultilevelInheritance {
28     public static void main(String args[]) {
29         BabyCat c = new BabyCat();
30         c.eat();
31         c.meow();
32         c.BabyCatmeow();
33     }
34 }
35

```

#### Basic Programs\Object.java

```

1 class Person{
2     String name;
3     int age;
4     public Person(String name,int age){
5         this.name = name;
6         this.age = age;
7     }
8     public void display(){
9         System.out.println("Name : "+name);
10        System.out.println("age : "+age);
11    }
12 }
13 public class Object {
14     public static void main(String args[]){
15         Person p = new Person("Tejas",20);
16         p.display();
17     }
18 }
19 }
20

```

#### Basic Programs\ParameterisedConstructor.java

```

2 class Rectangle{
3     int l,b;
4     public Rectangle(int l,int b) {
5         this.l = l;
6         this.b = b;
7     }
8     public void area(){
9         System.out.println("Area of rectangle : "+l*b);
10    }
11 }
12
13
14 // constructor
15 public class ParameterisedConstructor{
16     public static void main(String args[]){
17         Rectangle r = new Rectangle(1, 2);
18         r.area();
19     }
20 }
21
22

```

#### Basic Programs\PositiveOrNegative.java

```

1 public class PositiveOrNegative {
2     public static void main(String args[]){
3         int n = 12;
4         if(n<0){
5             System.out.println("Negative");
6         }else if(n==0){
7             System.out.println("Zero");
8         }else{
9             System.out.println("Positive");
10        }
11    }
12 }
13

```

#### Basic Programs\SingleInheritance.java

```

1 class Animal {
2     public Animal() {
3         System.out.println("Animal constructor is called..");
4     }
5
6     void eat() {
7         System.out.println("Animal is eating");
8     }
9 }
10
11 class Cat extends Animal {
12     public Cat() {

```

```

13     System.out.println("Cat constructor is called..");
14 }
15
16 void meow() {
17     System.out.println("Cat meow...");
18 }
19 }
20 // single inheritance
21 public class SingleInheritance {
22     public static void main(String args[]) {
23         Cat c = new Cat();
24         c.eat();
25         c.meow();
26     }
27 }
28

```

#### Basic Programs\SumOfAllDigits.java

```

1
2 public class SumOfAllDigits {
3     public static void main(String args[]){
4         int n = 100384;
5         int sum = 0;
6         while(n>0){
7             sum += n%10;
8             n /=10;
9         }
10        System.out.println(sum);
11    }
12 }
13

```

#### Basic Programs\SumOfEvenAndOdd.java

```

1 public class SumOfEvenAndOdd{
2     public static void main(String args[]){
3         System.out.println("Odd Numbers : ");
4         for(int i=1;i<=100;i+=2){
5             System.out.print(i+" ");
6         }
7         System.out.println();
8         System.out.println("Even Numbers : ");
9         for(int i=2;i<=100;i+=2){
10            System.out.print(i+" ");
11        }
12    }
13 }
14

```

#### Basic Programs\armstrong.java

```

1 import java.util.*;
2
3 public class armstrong {
4     public static void main(String args[]){
5         int n = 1634;
6         int temp = n;
7         int pow = 0;
8         int sum = 0;
9         while(n>0){
10             pow++;
11             n /=10;
12         }
13         n = temp;
14         while(temp>0){
15             sum += Math.pow(temp%10,pow);
16             temp /=10;
17         }
18         if(sum==n){
19             System.out.println("Armstrong");
20         }else{
21             System.out.println("Not Armstrong");
22         }
23     }
24 }
25

```

#### Basic Programs\evenOdd.java

```

1 public class evenOdd{
2     public static void main(String args[]){
3         int n = 11;
4         if(n%2==0){
5             System.out.print("even");
6         }else{
7             System.out.print("odd");
8         }
9     }
10 }

```

#### Basic Programs\program4.java

```

1
2 public class program4 {
3     public static void main(String args[]){
4         System.out.println("Odd Numbers Sum: ");
5         int sum = 0;
6         for(int i=1;i<=100;i+=2){
7             sum += i;
8         }
9         System.out.println(sum);
10        System.out.println();
11        System.out.println("Even Numbers Sum: ");

```

```
12     sum = 0;
13     for(int i=2;i<=100;i+=2){
14         sum += i;
15     }
16     System.out.println(sum);
17     System.out.println();
18 }
19 }
20 }
```