**1:write program to test Hello World.**

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

System.***out***.println("Hello");

}

}

Hello

**2:Write a program to adddition of two numbers .**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

**int** x = sc.nextInt();

**int** y = sc.nextInt();

System.***out***.println(x+y);

}

}

5 6

11

**3:Write a program to swap two numbers.**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

**int** x = sc.nextInt();

**int** y = sc.nextInt();

**int** tmp = y;

y = x;

x = tmp;

System.***out***.println(x +" " + y);

}

}

5 6

6 5

**4:Write a program to find factorial of a given number.**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

**int** n = sc.nextInt();

**int** result = 1;

**for**(**int** i=n;i>=1;i--)

result \*=i;

System.***out***.println("Factorial = "+result);

}

}

5

Factorial = 120

**5:Write a program to find m to the power n.**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

System.***out***.print("Enter no and power : ");

**int** no = sc.nextInt();

**int** pow = sc.nextInt();

**int** result = no;

**for**(**int** i=pow;i>1;i--)

result \*=no;

System.***out***.println("Power = "+result);

}

}

Enter no and power : 2 3

Power = 8

**6: Check if number is a prime number or not.**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

System.***out***.print("Enter no : ");

**int** no = sc.nextInt();

**int** flg = 1;

**for**(**int** i=no/2;i>1;i--) {

**if**(no%i==0) {

flg = 0 ;

**break**;

}

}

**if**(flg==1)

System.***out***.println("Is Prime = " + no);

**else**

System.***out***.println("Not Prime = " + no);

}

}

Enter no : 10

Not Prime = 10

**7:Sum of series :**

**1+2+3+….+n**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

System.***out***.print("Enter no : ");

**int** no = sc.nextInt();

**int** result = 0;

**for**(**int** i=no;i>=1;i--) {

result+=i;

}

System.***out***.println("Sum = " + result);

}

}

Enter no : 10

Sum = 55

**8:Write a program to find sum of all even and odd numbers between 1 to n.**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

System.***out***.print("Enter no : ");

**int** no = sc.nextInt();

**int** even = 0,odd = 0;

**for**(**int** i=no;i>=1;i--) {

**if**(i%2==0)

even+=i;

**else**

odd+=i;

}

System.***out***.println("even = " + even);

System.***out***.println("odd = " + odd);

}

}

Enter no : 10

even = 30

odd = 25

**10: Write a program to enter a number and print its reverse.**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

System.***out***.print("Enter no : ");

**int** no = sc.nextInt();

**while**(no > 0) {

System.***out***.print(no%10);

no/=10;

}

}

}

Enter no : 567

765

**11:Write a program to print all Prime numbers between 1 to n.**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

System.***out***.print("Enter no : ");

**int** no = sc.nextInt();

**for**(**int** i=1;i<=no;i++) {

**int** flg = 1;

**for**(**int** j = 2 ;j<i;j++) {

**if**(i%j==0) {

flg = 0;

**break**;

}

}

**if**(flg == 1)

System.***out***.println(i+" Is Prime ");

**else**

System.***out***.println(i+" Is Not Prime ");

}

}

}

Enter no : 15

1 Is Prime

2 Is Prime

3 Is Prime

4 Is Not Prime

5 Is Prime

6 Is Not Prime

7 Is Prime

8 Is Not Prime

9 Is Not Prime

10 Is Not Prime

11 Is Prime

12 Is Not Prime

13 Is Prime

14 Is Not Prime

15 Is Not Prime

**12:Write a program to check entered number is Armstrong number or not.**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

System.***out***.print("Enter no : ");

**int** N = sc.nextInt();

**int** no = N;

**int** result = 0;

**while**(no>0) {

**int** n = no%10;

no/=10;

result += (n \* n \* n);

}

**if**(result == N)

System.***out***.println("Yes , Its Armstrong");

**else**

System.***out***.println("NO , Its not Armstrong");

}

}

Enter no : 153

Yes , Its Armstrong

**13:Write a program to find greatest of three numbers using nested if-else.**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

System.***out***.println("Enter no : x , y , z ");

**int** x = sc.nextInt();

**int** y = sc.nextInt();

**int** z = sc.nextInt();

**if**(x > y && x > z)

{

System.***out***.println("Largest :"+x);

}

**else** **if**(y > z)

{

System.***out***.println("Largest :"+y);

}

**else**

{

System.***out***.println("Largest :"+z);

}

}

}

Enter no : x , y , z

11 12 13

Largest :13

**14:Create menu driven program for Pizza Shop.And display total amount,**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

**int**[] arr = **new** **int**[10000];

**int** amount=0;

**boolean** status = **true**;

**while**(status==**true**) {

System.***out***.println("Emter Choice: \n1.Small Pizza ~ 120 \n2.Medium Pizza ~ 240 \n3.Large Pizza ~ 360 \n4.Current Amount\n5.To Exit");

**int** choice = sc.nextInt();

**switch**(choice) {

**case** 1 :

System.***out***.println(" Small Size Purchased ! ");

amount+=120;

**break**;

**case** 2 :

System.***out***.println(" Medium Size Purchased ! ");

amount+=240;

**break**;

**case** 3 :

System.***out***.println(" Large Size Purchased ! ");

amount+=360;

**break**;

**case** 4:

System.***out***.println("Current Amount : " + amount);

**break**;

**default**:

System.***out***.println("Exiting...");

status = **false**;

}

}

}

}

Emter Choice:

1.Small Pizza ~ 120

2.Medium Pizza ~ 240

3.Large Pizza ~ 360

4.Current Amount

5.To Exit

1

Small Size Purchased !

Emter Choice:

1.Small Pizza ~ 120

2.Medium Pizza ~ 240

3.Large Pizza ~ 360

4.Current Amount

5.To Exit

2

Medium Size Purchased !

Emter Choice:

1.Small Pizza ~ 120

2.Medium Pizza ~ 240

3.Large Pizza ~ 360

4.Current Amount

5.To Exit

3

Large Size Purchased !

Emter Choice:

1.Small Pizza ~ 120

2.Medium Pizza ~ 240

3.Large Pizza ~ 360

4.Current Amount

5.To Exit

4

Current Amount : 720

Emter Choice:

1.Small Pizza ~ 120

2.Medium Pizza ~ 240

3.Large Pizza ~ 360

4.Current Amount

5.To Exit

5

Exiting...

**15:Create Menu driven program for array operations.**

1:Read Array

2:Print Array

3:Search element in array

4:Reverse Array

5:Even number from array

6:sum of array element

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

**int**[] arr = **new** **int**[10000];

**int** n=0;

**boolean** status = **true**;

**while**(status==**true**) {

System.***out***.println("Emter Choice: \n1.read array \n2.Print Array \n3.Search element\n4.Reverse Array\n5.Even numbers \n6.Sum of array no's");

**int** choice = sc.nextInt();

**switch**(choice) {

**case** 1 :

System.***out***.println("Enter length of array : ");

n = sc.nextInt();

**for**(**int** i=0;i<n;i++)

arr[i] = sc.nextInt();

**break**;

**case** 2 :

**for**(**int** i=0;i<n;i++)

System.***out***.print(arr[i] + " ");

System.***out***.println();

**break**;

**case** 3 :

**int** flg =1;

System.***out***.println("Enter Element : ");

**int** element = sc.nextInt();

**for**(**int** i=0;i<n;i++) {

**if**(arr[i] == element) {

System.***out***.println("Element found at index" + i );

flg = 0;

}

}

**if**(flg == 0)

System.***out***.println("Element not found!");

**break**;

**case** 4:

**int** tmp;

**for**(**int** i=0;i<=n/2;i++) {

tmp = arr[i];

arr[i] = arr[n-i-1];

arr[n-i-1] = tmp;

}

System.***out***.println("Array Reversed !");

**break**;

**case** 5:

**for**(**int** i=0;i<=n;i++) {

**if**(arr[i]%2==0) {

System.***out***.println(arr[i] + " ");

}

}

**break**;

**case** 6:

**int** result = 0;

**for**(**int** i=0;i<=n;i++) {

result+=arr[i];

}

System.***out***.println("Sum "+result);

**break**;

**default**:

System.***out***.println("Exiting...");

status = **false**;

}

}

}

}

Emter Choice:

1.read array

2.Print Array

3.Search element

4.Reverse Array

5.Even numbers

6.Sum of array no's

1

Enter length of array :

3

1

2

3

Emter Choice:

1.read array

2.Print Array

3.Search element

4.Reverse Array

5.Even numbers

6.Sum of array no's

2

1 2 3

Emter Choice:

1.read array

2.Print Array

3.Search element

4.Reverse Array

5.Even numbers

6.Sum of array no's

3

Enter Element :

2

Element found at index1

Element not found!

Emter Choice:

1.read array

2.Print Array

3.Search element

4.Reverse Array

5.Even numbers

6.Sum of array no's

4

Array Reversed !

Emter Choice:

1.read array

2.Print Array

3.Search element

4.Reverse Array

5.Even numbers

6.Sum of array no's

2

3 2 1

Emter Choice:

1.read array

2.Print Array

3.Search element

4.Reverse Array

5.Even numbers

6.Sum of array no's

6

Sum 6

Emter Choice:

1.read array

2.Print Array

3.Search element

4.Reverse Array

5.Even numbers

6.Sum of array no's

9

Exiting...

**16:read two int array...and store both in third array and display third array**

**1 2 3**

**5 6 7 8 9**

**1 2 3 5 6 7 8 9**

**import** java.util.Scanner;

**public** **class** Day1\_Java {

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

// **TODO** Auto-generated method stub

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

System.***out***.println("arr 1 , arr 2");

**int**[] arr1 = **new** **int**[3];

**int**[] arr2 = **new** **int**[6];

**int**[] arr = **new** **int**[9];

**for**(**int** i=0;i<3;i++)

arr1[i] = sc.nextInt();

**for**(**int** i=0;i<6;i++)

arr2[i] = sc.nextInt();

**int** c = 0;

**for**(**int** i=0;i<3;i++)

arr[c++] = arr1[i];

**for**(**int** i=0;i<6;i++)

arr[c++] = arr2[i];

**for**(**int** i=0;i<9;i++)

System.***out***.println(arr[i]);

}

}

arr 1 , arr 2

1 2 3

4 5 6 7 8 9

1

2

3

4

5

6

7

8

9