**#to convert int to string**

String str = Integer.*toString*(num);

**#to reverse the number**

**package** day1\_assignment;

**public** **class** reverse\_the\_number {

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

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

**int** num = 45698;

**int** temp = num;

**int** sum = 0;

**while**(num>0) {

**int** r = num%10;

sum = (sum\*10) + r;

num = num / 10;

}

System.***out***.println("The reverse of the " + temp + " is " + sum);

}

}

**# even number**

**package** java\_practice;

**public** **class** even\_number\_1\_to\_50 {

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

**int** num = 1;

**while** (num <= 50) {

**if** (num % 2 == 0) {

System.***out***.print(" " + num);

}

++num;

}

}

}

# enter month number print month name

**package** java\_practice;

**import** java.util.Scanner;

**public** **class** name\_of\_month\_switch\_case {

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

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

System.***out***.print("Enter month number: ");

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

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

**switch** (num) {

**case** 1:

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

**break**;

**case** 2:

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

**break**;

**case** 3:

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

**break**;

**case** 4:

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

**break**;

**case** 5:

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

**break**;

**case** 6:

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

**break**;

**case** 7:

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

**break**;

**case** 8:

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

**break**;

**case** 9:

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

**break**;

**case** 10:

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

**break**;

**case** 11:

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

**break**;

**case** 12:

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

**break**;

**default**:

System.***out***.println("Invalid input");

}

}

}

**package** java\_practice;

**import** java.util.Scanner;

**public** **class** name\_of\_month\_using\_if {

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

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

System.***out***.print("Enter a number: ");

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

**if** (num == 1)

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

**else** **if** (num == 2)

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

**else** **if** (num == 3)

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

**else** **if** (num == 4)

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

**else** **if** (num == 5)

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

**else** **if** (num == 6)

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

**else** **if** (num == 7)

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

**else** **if** (num == 8)

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

**else** **if** (num == 9)

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

**else** **if** (num == 10)

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

**else** **if** (num == 11)

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

**else** **if** (num == 12)

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

**else**

System.***out***.println("Invalid input");

}

}

# Prime number

**package** java\_practice;

**import** java.util.Scanner;

**public** **class** prime\_number {

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

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

System.***out***.print("Enter a number: ");

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

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

**boolean** flag = **false**;

**if** (num==0 || num == 1)

flag=**true**;

**else** **if** (num < 0)

System.***out***.println("Invalid Number. number must be non negative.");

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

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

flag = **true**;

**break**;

}

**else**

flag = **false**;

}

**if** (flag == **true**)

System.***out***.println("Not a prime number.");

**else**

System.***out***.println("Prime number.");

}

}

#print first 100 prime number

**package** java\_practice;

**public** **class** all\_prime\_number\_1\_to\_100 {

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

**int** count = 0;

**int** num = 2;

**boolean** flag = **false**;

**while** (count<100) {

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

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

flag = **true**;

}

**if** (flag == **false**) {

System.***out***.print(" " + (num));

count+=1;

}

flag = **false**;

num+=1;

}

}

}

# fibonacci series

**package** java\_practice;

**public** **class** fibonnaci\_series {

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

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

// 0 1 1 2 3 5 8 13 21 ...

**int** f0 = 0;

**int** f1 =1;

**int** count = 0;

**int** num = 9;

**int** sum = 0;

System.***out***.println("Fibonaaci Series upto "+ num +" terms");

System.***out***.print(f0 +" "+ f1);

**while** (count < num - 2) {

sum = f0 + f1;

System.***out***.print(" "+ sum);

f0 = f1;

f1 = sum;

count+=1;

}

}

}

Fibonaaci Series upto 9 terms

0 1 1 2 3 5 8 13 21

#ArmStrong Number 153 = 1^3 + 5^3 + 3^3

**package** java\_practice;

**import** java.lang.Math;

**public** **class** armstrong\_number {

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

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

//153 = 1^3 + 5^3 +3^3 ----> 3 == length of number

//1634 = 1^4 + 6^4 + 3^4 + 4^4 ----> 4 == length of number

//9 = 9^1 ----> 1 == length of number

**int** num = 7;

**int** num1 = num;

**double** sum = 0;

String str = Integer.*toString*(num);

**int** l = str.length();

**while** (num > 0) {

**int** r = num % 10;

sum = sum + Math.*pow*(r, l);

num = num / 10;

}

**if** (num1 == sum) {

System.***out***.println("Number "+ num1 + " is a armstrong number.");

}

**else** {

System.***out***.println("Number "+ num1 + " is not a armstrong number.");

}

}

}

# Palindrome

**package** day1\_assignment;

**import** java.util.Scanner;

**public** **class** palindrome {

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

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

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

System.***out***.print("Enter a number: ");

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

**int** temp = num;

// reverse

**int** reverse = 0;

**while** (num > 0) {

**int** r = num % 10;

reverse = (reverse \* 10) + r;

num = num / 10;

}

**if** (reverse == temp)

System.***out***.println("It's a palindrome");

**else**

System.***out***.println("Not a palindrome.");

}

}