**1. Write a program that takes a number from the user between 1 to 12 and displays the name of the month**

**package** pr1;

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

**public** **class** monthname {

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

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

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

**if** (months.hasNext()) {

**int** monthnumber=months.nextInt();

String monthname=*getmonthname*(monthnumber);

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

}**else** {

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

}

}

**public** **static** String getmonthname (**int** monthnumber) {

**switch** (monthnumber) {

**case** 1: **return** "January";

**case** 2: **return** "Febraury";

**case** 3: **return** "march";

**case** 4: **return** "april";

**case** 5: **return** "may";

**case** 6: **return** "June";

**case** 7: **return** "july";

**case** 8: **return** "august";

**case** 9: **return** "september";

**case** 10: **return** "october";

**case** 11: **return** "november";

**case** 12: **return** "december";

**default**: **return** "Invalid number";

}

}

}

**2.Write a program to display calculated result of two numbers based on the mathematical operator entered.**

**package** pr2;

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

**public** **class** addmath {

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

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

System.***out***.println("Enter a number1");

**int** number1=number.nextInt();

System.***out***.println("Enter a number2");

**int** number2=number.nextInt();

System.***out***.println("Enter a operator +,-,\*,/");

**char** operator=number.next().charAt(0);

**int** result=0;

**switch** (operator) {

**case** '+':

result = number1+number2;

**break**;

**case** '-':

result= number1-number2;

**break**;

**case** '\*':

result=number1\*number2;

**break**;

**case** '/':

**if**(number2 !=0) {

result=number1/number2;

}

**else** {

System.***out***.println("Error division by zero");

number.close();

**return**;

}

**break**;

**default**:

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

number.close();

**return**;

}

System.***out***.println("Result : "+result);

number.close();

}

}

**3. Write a Program to check the grade based on marks obtained by students.**

**package** pr3;

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

**public** **class** markgrade {

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

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

System.***out***.println("Enter your mark ");

**int** percentage=markobtain.nextInt();

String grade;

**if** (percentage>=60) {

System.***out***.println("Your grade is A");

}

**else** **if**(percentage >=45) {

System.***out***.println("your grade is B");

}

**else** **if** (percentage>=35) {

System.***out***.println("your grade is C ");

}

**else** {

System.***out***.println("your fail");

}

}

}

**4. Write a program to add two complex numbers.**

package pr3;

import java.util.\*;

public class complexnumber {

public static void main(String[] args) {

Scanner cn=new Scanner(System.in);

System.out.println("Enter the first r number:");

int a=cn.nextInt();

System.out.println("Enter the first i value:");

int b=cn.nextInt();

System.out.println("Enter the second r value:");

int c=cn.nextInt();

System.out.println("Enter the second i value:");

int d=cn.nextInt();

int real1=a+c;

int imaginary=b+d;

System.out.println(real1+"+i"+imaginary);

}

}

**5. Write a program to check if a given integer is Odd or Even.**

**package** pr3;

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

**public** **class** oddoreven {

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

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

System.***out***.println("Enter a number");

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

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

System.***out***.println("Entered number is Even ");

}

**else** {

System.***out***.println("Entered number is Odd");

}

}

}

**6. Write a program to find the largest of three numbers.**

**package** pr3;

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

**public** **class** largestnumber {

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

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

System.***out***.println("Enter a number1");

**int** a=ab.nextInt();

System.***out***.println("enter number2");

**int** b=ab.nextInt();

System.***out***.println("Enter a number3");

**int** c=ab.nextInt();

**if** (a>b & a>c ) {

System.***out***.println("Largest number is "+a);

}

**else** **if** (b>a& b>c ) {

System.***out***.println("Largest number is "+b);

}

**else** {

System.***out***.println("Larsgest number is "+c);

}

}

}