1)

import java.util.\*;

public class Sum{

public static void main(String args[]){

int code;

Scanner sc =new Scanner(System.in);

code=sc.nextInt();

double k=0.00;

if(code==1){

double x,y;

x=sc.nextDouble();

y=sc .nextDouble();

k=x+y;

}

System.out.orintln("Sum : "+k);

}

}

2)

import java.util.\*;

import java.lang.\*;

import java.io.\*;

class Main

{

public static void main (String[] args)

{

Scanner sc=new Scanner(System.in);

System.out.println("Quantity Purchased:");

int QuanPur=sc.nextInt();

System.out.println("Rate per item:");

float Rpi=sc.nextFloat();

float Totexp=QuanPur\*Rpi;

if(QuanPur>1000)

{

Totexp=Totexp-(Totexp/10);

System.out.println("Total expense:" +Totexp);

}

else

{

System.out.println("Total expense:" +Totexp);

}

}

}

3)

import java.util.Scanner;

class Main {

public static void main(String[] args) {

int currentNumber;

Scanner sc=new Scanner(System.in);

System.out.println("currentNumber:");

curNum=sc.nextInt();

if (curNum % 2 == 1)

curNum = curNum\*3+1;

else

curNum= curNum/2;

System.out.println("currentNumber: " +curNum );

}

}

4)

import java.util.\*;

public class Mobile{

public static void main(String args[]){

int a;

Scanner sc=new Scanner(System.in);

a=sc.nextInt();

if(a<=15000)

System.out.println("Mobile chosen is within the budget");

else

System.out.println("Mobile chosen is beyond the budget");

}

}

6)

import java.util.\*;

public class Number{

public static void main(String args[]){

int a;

Scanner sc=new Scanner(System.in);

a=sc.nextInt();

int n=a;

int sum=0;

if(a>=1000 && a<=9999){

while(a>0){

int r=a%10;

sum=sum\*10+r;

a=a/10;

}

if(sum%3==0 || sum%5==0 || sum%7==0){

System.out.print("lucky number");

}

else{

System.out.print("Sorry its not my lucky number");

}

}

else{

System.out.println(a + "is not a valid car number");

}

}

}

7)

import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

Scanner sc =new Scanner(System.in);

System.out.println("Enter the color:");

String color=sc.next();

sc.nextLine();

switch(color) {

case "green" :

System.out.println("Go");

break;

case "red" :

System.out.println("Stop");

break;

case "yellow" :

System.out.println("proceed with caution");

break;

default:

System.out.println("prepare to go");

break;

}

}

}

8)

import java.util.Scanner;

public class Season

{

public static void main (String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("Enter the month:");

int mon=sc.nextInt();

if(mon>12||mon<1)

{

System.out.println("Invalid month");

}

else if(mon>=3&&mon<=5)

{

System.out.println("Season:Spring");

}

else if(mon>=6&&mon<=8)

{

System.out.println("Season:Summer");

}

else if(mon>=9&&mon<=11)

{

System.out.println("Season:Autumn");

}

else if(mon==12||mon==1||mon==2)

{

System.out.println("Season:Winter");

}

}

}

9)

import java.util.Scanner;

public class Main

{

public static void main (String[] args) {

Scanner sc= new Scanner(System.in);

System.out.println("number:");

int num=sc.nextInt();

if(num==9 || num==10)

{

System.out.println("excellent");

}

else if(num==7 || num==8)

{

System.out.println("notable");

}

else if(num==6)

{

System.out.println("good");

}

else if(num==5)

{

System.out.println("improved");

}

else if(num==0 || num==1 || num==2 || num==3 || num==4 )

{

System.out.println("fail");

}

else

{

System.out.println("invalid");

}

}

}