**import** java.util.Scanner;

**public** **class** While\_DoWhile {

/\*\*

\* **@param** args

\*/

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

**int** M=-5;

**char** grad;

**int** i =1;

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

//do {

**while**(M !=0) {

System.*out*.println("Enter Marks");

M = input.nextInt();

**while** (M < 0 || M >100 ) {

System.*out*.println("Enter Marks between 1 and 100");

M = input.nextInt();

}

// do {

**if** (M >= 90)

grad = 'A';

**else** **if** (M >=80 )

grad = 'B';

**else** **if** (M >=70 )

grad = 'C';

**else** **if** (M >=60 )

grad = 'D';

**else**

grad = 'F';

System.*out*.println(" Grade of Student "+grad);

i++;

// }while (i <=3);

}

}

}

**public** **class** whileIf {

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

**int** i =2;

**while**(i <=12) {

**if**((i+3)%3==0) {

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

i+=3;

}

**else**

i+=5;

i--;

}

System.*out*.println("i am out of the loop");

}

}

**public** **class** Alphabetvalue {

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

**int** count=65;

**char** letter ='A';

System.*out*.println("Alphabet Mapping to integers");

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

**while**(letter<='Z') {

System.*out*.println(letter+" "+count++);

letter++;

}

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

**import** java.util.Scanner;

**public** **class** Aseries {

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

**int** n,tn,i=1;

**double** res=0.1;

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

System.*out*.println("enter the value of n");

n=input.nextInt();

tn = 2\*n;

**while**(2\*i<=tn) {

res=res\*(1+(1/(**double**)(2\*i)));

i++;

}

System.*out*.println("Result is "+res);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

**import** java.util.Scanner;

**public** **class** ComputeRatio {

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

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

RatioClass R = **new** RatioClass();

System.*out*.println("Enter the value of a and b");

R.a = input.nextInt();

R.b = input.nextInt();

**while**(R.b ==0) {

System.*out*.println("wrong entry !enter value of b");

R.b = input.nextInt();

}

R.ratio = R.a/(**double**)R.b;

System.*out*.println("value a "+R.a+" Value b "+R.b+"of ratio is "+R.ratio);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

**import** java.util.Scanner;

**public** **class** Lwhilesent {

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

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

**int** sum =0, number=1;

**while** (number !=0) {

sum+=number;

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

number = input.nextInt();

}

System.*out*.println("Sum of 10 numbers ="+sum);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

**import** java.util.Scanner;

**public** **class** Flagwhile {

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

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

**int** sum =0, number=0;

**while** (number <=10) {

sum+=number;

number++;

**if**(sum>30)

**break**;

}

System.*out*.println("Sum of 10 numbers ="+sum);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

**public** **class** Flagwhilecont {

/\*\*

\* **@param** args

\*/

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

//Scanner input = new Scanner(System.in);

**int** sum =0,number=1;

//do {

**while** (number <=3) {

//for (int number = 1; number<=3;number++) {

number++;

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

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

**if** ((number==1||number==2))

**continue**;

sum+=number;

}

//}while (number <=3);

System.*out*.println("Sum of 5 numbers ="+sum);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

**import** java.util.Scanner;

**public** **class** LargeSlarge {

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

**int** large=0,Slarge=0,num=3;

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

**while**(num!=0)

{

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

num = input.nextInt();

**if**(num>large)

{

Slarge = large;

large = num;

}

}

System.*out*.println("Large number is"+large);

System.*out*.println("Second Large number is"+Slarge);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**import** java.util.Scanner;

**public** **class** DoWhile {

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

**int** i=1,sum=0,num;

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

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

num = input.nextInt();

**do** {

sum+=num;

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

num = input.nextInt();

// System.out.println(sum);

i++;

}**while**(i<=10);

System.*out*.println(sum);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

**public** **class** Whilecont {

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

**int** i=1,sum=0;

**do** {

sum+=i;

**if**((i>=25))

**break**;

System.*out*.println("i= "+i+" sum "+sum);

i+=5;

}**while** (sum <=20);

}

}