### 1.Take values of length and breadth of a rectangle from user and check if it is square or not.

**import** java.util.Scanner;

**class** Ans{

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

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

System.out.println("Enter length");

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

System.out.println("Enter breadth");

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

**if**(x==y){

System.out.println("Square");

}

**else**{

System.out.println("Rectangle");

}

}

}

### 2.A school has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 – A

### user name - 7083368284password - $Software5 Ask user to enter marks and print the corresponding grade.

**import** java.util.Scanner;

**class** Ans{

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

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

System.out.println("Enter your marks");

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

**if**(x<25){

System.out.println("F");

}

**else** **if**((x>=25)&&(x<45)){

System.out.println("E");

}

**else** **if**((x>=45)&&(x<50)){

System.out.println("D");

}

**else** **if**((x>=50)&&(x<60)){

System.out.println("C");

}

**else** **if**((x>=60)&&(x<80)){

System.out.println("B");

}

**else** **if**((x>=80)&&(x<=100)){

System.out.println("A");

}

**else**{

System.out.println("Not correct marks");

}

}

}

### 3. Write a program to print absolute vlaue of a number entered by user. E.g.- INPUT: 1        OUTPUT: 1 INPUT: -1        OUTPUT: 1

**import** java.util.Scanner;

**class** Ans{

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

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

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

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

**if**(x<0){

System.out.println("Absolute value : "+(-1\*x));

}

**else**{

System.out.println("Absolute value : "+x);

}

}

}