CODSOFT TASK 2

STUDENT GRADE CALCULATOR

CODE:-

```java
package grade;
import java.util.*;

class myexception extends Exception{
    myexception(String s){
        super(s);
    }
}

public class grade {

    public static void main(String[] args) {
        char grade=' ';
        // TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
        System.out.println("Enter marks of student in each subject:");


        System.out.println("Maths:");
        int m1=sc.nextInt();

        try {
            if(m1>100) {

                throw new myexception("invalid");
            }
        }
            catch(myexception e){
                System.out.println("Invalid marks.Plaese enter
marks between 0-100.");
                m1=sc.nextInt();
            }


        System.out.println("Science:");
        int m2=sc.nextInt();

        try {
            if(m2>100) {

                throw new myexception("invalid");
            }
        }
            catch(myexception e){
                System.out.println("Invalid marks.Please enter
marks between 0-100.");
                m2=sc.nextInt();
            }

        System.out.println("English:");
        int m3=sc.nextInt();
```

```java
		try {
			if(m3>100) {

				throw new myexception("invalid");
			}
		}
			catch(myexception e){
				System.out.println("Invalid marks.Please eneter
marks between 0-100.");
				m3=sc.nextInt();
			}

		System.out.println("Social Science:");
		int m4=sc.nextInt();

		try {
			if(m4>100) {

				throw new myexception("invalid");
			}
		}
			catch(myexception e){
				System.out.println("Invalid marks.Please enter
marks between 0-100.");
				m4=sc.nextInt();
			}

		System.out.println("Hindi:");
		int m5=sc.nextInt();

		try {
			if(m5>100) {

				throw new myexception("invalid");
			}
		}
			catch(myexception e){
				System.out.println("Invalid marks.Please enter
marks between 0-100.");
				m5=sc.nextInt();
			}

		System.out.println("Computer Application:");
		int m6=sc.nextInt();

		try {
			if(m6>100) {

				throw new myexception("invalid");
			}
		}
			catch(myexception e){
				System.out.println("Invalid marks.Please enter
marks between 0-100.");
				m6=sc.nextInt();
			}


		int percent=(m1+m2+m3+m4+m5+m6)/6;
		if(percent>90 && percent<100) {
			grade='A';
```

```java
        }
        if(percent>80 && percent<90) {
            grade='B';

        }
        if(percent>70 && percent<80) {
            grade='C';

        }
        if(percent<60) {
            grade='D';

        }
        System.out.println("Percentage of student:"+percent);

        System.out.println("Grade of student:"+grade);


    }

}
```