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package Tasks;
import java.util.*;
import java.text.NumberFormat;
import java.time.LocalDate;
import java.time.format.DateTimeFormatter;
public class DayTwotask {


	public static void main(String[] args) {
		// TODO Auto-generated method stub
		//Reading from user
		Scanner sc= new Scanner(System.in);
		System.out.println("Enter the age");
		int age = sc.nextInt();
		System.out.println("Enter the height");
		float height=sc.nextFloat();
		System.out.println("Enter the weight");
		double weight= sc.nextDouble();
		//Printing output
		System.out.println("Age is"+age);
		System.out.println("Height is "+height);
		System.out.println("Weight is"+weight);
		System.out.println("___ Student Data___");
		System.out.println("Enter the student name");
		String StudentName=sc.next();
		System.out.println("Enter Student ID");
		int id=sc.nextInt();
		System.out.println("Enter Marks");
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        double marks= sc.nextDouble();
        System.out.println("Enter Student Grade");
        char grade=sc.next().charAt(0);
        System.out.println("Now Printing Student Data");
        System.out.println("Student Id :"+id);
        System.out.println("Student Name:"+StudentName);
        System.out.println("Student Marks:"+marks);
        System.out.println("Student Grade:"+grade);
        // task 3
        System.out.println("Enter First Number");
        int number1 = sc.nextInt();
        System.out.println("Enter Second Number");
        int number2 = sc.nextInt();
        int sum = number1+number2;
        System.out.println("Greater Number is:"+Math.max(number1, number2));
        boolean flag=false;
        System.out.println("Sum of two"+sum);
        if(number1 >0 && number2>0)
        {
                flag=true;
                System.out.println("Both Numbers are positive");
        }
        else
        {
                System.out.println("Both Numbers are Not positive");
        }
//task 4
        System.out.print("Enter First Name: ");
```

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String firstName = sc.nextLine();


System.out.print("Enter Last Name: ");
String lastName = sc.nextLine();


String greeting = "Hello, " + firstName + " " + lastName + "! Welcome to the system.";
System.out.println(greeting);
//task 5
System.out.print("Enter a sentence: ");
String input = sc.nextLine();


StringBuilder sb = new StringBuilder(input);
String reversed = sb.reverse().toString();


System.out.println("Original: " + input);
System.out.println("Reversed: " + reversed);
//task 6
System.out.println("Enter String :");
String word =sc.nextLine();
System.out.println("Enter character to count occurences in String");
char ch1 = sc.next().charAt(0);
int count = 0;
for (int i = 0; i < word.length(); i++) {
   if (word.charAt(i) == ch1) {
      count++;
   }
}
```

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        System.out.println("Character '" + ch1 + "' appears " + count + " times.");



        // Display current date in DD-MM-YYYY
        LocalDate today = LocalDate.now();
        DateTimeFormatter formatter = DateTimeFormatter.ofPattern("dd-MM-yyyy");
        String formattedDate = today.format(formatter);
        System.out.println("Current Date: " + formattedDate);

        // Currency formatting
        System.out.print("Enter amount: ");
        double amount = sc.nextDouble();

        NumberFormat currencyFormat = NumberFormat.getCurrencyInstance(Locale.US);
        String formattedCurrency = currencyFormat.format(amount);

        System.out.println("Formatted Amount: " + formattedCurrency);
            }



}
```