# Assessment Task 1 - In-Class Group Workshop Week 3

1. Write pseudocode and develop a program that allows the user to input a set of 5 marks. The program calculates the total and display the grade according to the following information:

|  |  |
| --- | --- |
| Total | Grade |
| 85-100 | High Distinction |
| 75-84 | Distinction |
| 65-74 | Credit |
| 64-50 | Pass |
| 0-49 | Fail |

Ans:

DECLARE total, mark1, mark2, mark3, mark4, mark5, grade

INITIALIZE total to 0

FOR i = 1 TO 5

READ mark\_i (where i represents the mark number)

ADD mark\_i to total

END FOR

CALCULATE grade based on total:

IF total >= 85 THEN

grade = "High Distinction"

ELSE IF total >= 75 THEN

grade = "Distinction"

ELSE IF total >= 65 THEN

grade = "Credit"

ELSE IF total >= 50 THEN

grade = "Pass"

ELSE

grade = "Fail"

END IF

DISPLAY total

DISPLAY grade

1. Write a program to enter month number. Use switch case structure to print out the name of the month. Also display error message for wrong month number.

import java.util.Scanner;

public class MonthName {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a month number (1-12): ");

int monthNumber = scanner.nextInt();

switch (monthNumber) {

case 1:

System.out.println("The month is January");

break;

case 2:

System.out.println("The month is February");

break;

case 3:

System.out.println("The month is March");

break;

case 4:

System.out.println("The month is April");

break;

case 5:

System.out.println("The month is May");

break;

case 6:

System.out.println("The month is June");

break;

case 7:

System.out.println("The month is July");

break;

case 8:

System.out.println("The month is August");

break;

case 9:

System.out.println("The month is September");

break;

case 10:

System.out.println("The month is October");

break;

case 11:

System.out.println("The month is November");

break;

case 12:

System.out.println("The month is December");

break;

default:

System.out.println("Invalid month number. Please enter a number between 1 and 12.");

}

scanner.close();

}

}

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