import java.util.Scanner;

public class Main

{

public static void main(String[] args)

{

Scanner scanner = new Scanner(System.in);

for (int studentNumber = 1; studentNumber <= 2; studentNumber++)

{

System.out.println("Enter details for Student " + studentNumber + ":");

System.out.print("Enter student's name: ");

String name = scanner.nextLine();

System.out.println("Enter marks obtained (out of 100) for each subject:");

int totalMarks = 0;

String[] subjects = {"Python", "Java", "Machine Learning", "Compiler Design", "Fullstack Development"};

for (String subject : subjects)

{

System.out.print("Enter marks for " + subject + ": ");

int marks = scanner.nextInt();

totalMarks += marks;

}

double averagePercentage = (double) totalMarks / 5;

char grade;

if (averagePercentage >= 90)

{

grade = 'A';

}

else if (averagePercentage >= 80)

{

grade = 'B';

}

else if (averagePercentage >= 70)

{

grade = 'C';

}

else if (averagePercentage >= 60)

{

grade = 'D';

}

else

{

grade = 'F';

}

scanner.nextLine();

System.out.println("\nResults for " + name + ":");

System.out.println("Total Marks: " + totalMarks);

System.out.println("Average Percentage: " + averagePercentage + "%");

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

System.out.println();

}

scanner.close();

}

}

OUTPUT:

Enter details for Student 1:

Enter student's name: UDAY

Enter marks obtained (out of 100) for each subject:

Enter marks for Python: 93

Enter marks for Java: 91

Enter marks for Machine Learning: 94

Enter marks for Compiler Design: 87

Enter marks for Fullstack Development: 97

Results for UDAY:

Total Marks: 462

Average Percentage: 92.4%

Grade: A

Enter details for Student 2:

Enter student's name: SRUJANA

Enter marks obtained (out of 100) for each subject:

Enter marks for Python: 94

Enter marks for Java: 91

Enter marks for Machine Learning: 88

Enter marks for Compiler Design: 93

Enter marks for Fullstack Development: 90

Results for SRUJANA:

Total Marks: 456

Average Percentage: 91.2%

Grade: A

=== Code Execution Successful ===