// importing dart:io file

import 'dart:io';

void main()

{

print("Enter Subject?");

// Reading name of the Subject

String? name = stdin.readLineSync();

}

{

// Asking for Score

print("Enter your Score:");

// Scanning number

int? n = int.parse(stdin.readLineSync()!);

// Here ? and ! are for null safety

}

{

String subject = "";

int score = ;

String grade = SelectGrade(score);

switch(grade) {

case "A":

OutputResult(grade, subject);

break;

case "B":

OutputResult(grade, subject);

break;

case "C":

OutputResult(grade, subject);

break;

case "D":

OutputResult(grade, subject);

break;

case"F":

OutputResult(grade, subject);

break;

default ErrorMessage();

}

}

// provides the output to the console

OutputResult(String grade, String subject) {

print("Your grade for $subject is $grade");

}

//provides error message when test score is empty or invalid

ErrorMessage() print("The test score is not valid")

// returns the grade based on the test score

String SelectGrade(int score){

String? grade;

if(score > 79.9 && score <100.1) {

grade = "A";

}

else if (score < 80 && score > 59.9) {

grade = "B";

}

else if (score > 49.9 && score < 60) {

grade = "C";

}

else if (score > 39.9 && score < 50) {

grade = "D";

}

else if (score < 40 && score > 0) {

grade = "F"

}

else grade = "Not available";

return grade;

}