**Task 2: Implement conditional, control and looping statements**

1. **You are developing a simple grade management system for a school. The system needs to determine the grade of a student based on their score in a test. The grading system follows these rules:**

**If the score is 90 or above, the grade is "A".**

**If the score is between 80 and 89, the grade is "B".**

**If the score is between 70 and 79, the grade is "C".**

**If the score is between 60 and 69, the grade is "D".**

**If the score is below 60, the grade is "F".**

**TEST CASE 1**

**Enter the student's score: 85**

**The grade is: B**

score =int(input("Enter the score:"))

if score>=90:

print("The Grade is A")

elif (score <=89 and score>=80):

print("The Grade is B")

elif(score <=79 and score >=70):

print("The Grade is C")

elif( score <=69 and score >=60):

print("The Grade is D")

else:

print("The Grade is F")

1. **You are developing an educational program to help young students learn about natural numbers. One of the features of the program is to display the first 10 natural numbers to the user. Write a Python program that uses a for loop to print the first 10 natural numbers.**

# Displaying the first 10 natural numbers

print("The first 10 natural numbers are:")

for i in range(1, 11): # Loop from 1 to 10

print(i)

1. **C. Alice wrote a sequence of words in CamelCase as a string of letters, S, having the following properties:  
     
   1. It is a concatenation of one or more words consisting of English letters.  
   2. All letters in the first word are lowercase.  
   3. For each of the subsequent words, the first letter is uppercase and rest of the letters is lowercase.  
     
   Given S, print the number of words in S on a new line.  
   Input:  
   A single line containing string S.  
   Output:  
   Print the number of words in string S.**

**TEST CASE 1**

**INPUT**

**thisIsIndiaWelcome**

**OUTPUT**

**4**

Program:

x=input()

c=0

for i in x:

if (ord(i)>64 and ord(i)<91):

c+=1

print(c+1)

1. Ram presents to you a number consisting of numbers from 0 to 9 characters.  
   He wants you to reverse it from the final answer such that the number becomes Mirror number. A Mirror is a number which equals its reverse.

Write a Python program to **read an integer or string of digits** from the user and p**rint** whether it is a **Mirror Number** or not.

**Sample Testcase:**

#### Sample Input

#### 52325

#### Sample Output

#### Mirror

#### Sample Input

67894

#### Sample Output

#### No Mirror

**Program:**

a=int(input())

p=0

b=a

while(b>0):

r=b % 10

p=p\*10+r

b=b//10

if (p==a):

print ("Mirror")

else:

print("No Mirror")

**Output:**

