

Stay In or Go Out : MBTI Tester

I. Problem Statement

Have you ever thought about what to do during your free time? Whether you call up your friends or stay in and read a book, our program will guide you in finding what your interests are based on your MBTI that will also be determined when you use our program.

II. Problem Objectives

Our program aims to help the user determine what their MBTI is so the user knows what activities make them comfortable. Whenever their friend asks if they are introverted or extroverted, they can answer it easily!

III. Planned Features

1. Our program would begin by making the user feel comfortable in answering honestly.
2. The user would be asked questions regarding what they do and what they want.
3. Our program would calculate the answers and would provide a result of their MBTI.
4. Finally, the program would end simply, asking the user to try again in a few years to test if they still have the same MBTI.

IV. Planned Inputs and Outputs

Our program would output the questions and the results based on the user's answers they will input.

Example:

Output: Do you prefer A.) going out with your friends or B.) staying in?

Input: B

Output : +1 to the introverted side!

V. Logic Plan

Function Main

```
Declare String answerOne, answerTwo, answerThree, answerFour, name, answer
```

```
Output "Please enter your name: "
```

```
Input name
```

```
Output "Let's begin! A. Do you usually approach people first or B. wait for them to approach you?"
```

```
Input answer
```

```
If answer == "A"
```

```
    Assign answerOne = "E"
```

```
Else
```

```
    Assign answerOne = "I"
```

```
End
```

```
Output "Do you prefer A. Following a systematic set of rules or B. Having the opportunity for your creativity to flow?"
```

```
Input answer
```

```
If answer == "A"
```

```
    Assign answerTwo = "S"
```

```
Else
```

```
    Assign answerTwo = "N"
```

```
End
```

```
Output "Do you A. Think about the feelings of others or B. Rely on facts when deciding?"
```

```
Input answer
```

```
If answer == "A"
```

```
    Assign answerThree = "F"
```

```
Else
```

```
    Assign answerThree = "T"
```

```
End
```

```
Output "Do you prefer A. Having a daily schedule or B. Letting the day unfold as it is?"
```

```
Input answer
```

```
If answer == "A"
```

```
    Assign answerThree = "J"
```

```
Else
```

```
    Assign answerThree = "P"
```

```
End
```

```
Output "Your MBTI is " & answerOne & "" & answerTwo & "" & answerThree & "" & answerFour & ""
```

```
End
```