

Assignment no. 06

Source code:

```
def welcome():  
    print("Welcome to the Medical Symptom Checker!")  
  
def get_symptoms():  
    print("Please enter your symptoms (separated by commas):")  
    symptoms = input().split(',')  
    return symptoms  
  
def assess_symptoms(symptoms):  
    severity = input("On a scale of 1 to 10, how severe are your symptoms? ")  
    while not severity.isdigit() or int(severity) < 1 or int(severity) > 10:  
        print("Invalid input. Please enter a number between 1 and 10.")  
        severity = input("On a scale of 1 to 10, how severe are your symptoms? ")  
    severity = int(severity)  
    if severity >= 8:  
        return "emergency"  
    elif severity >= 5:  
        return "urgent"  
    else:  
        return "homecare"  
  
def recommend_action(severity):  
    recommendations = {
```

```
    "emergency": "Based on your symptoms and severity, it's recommended to seek emergency medical attention immediately.",
```

```
    "urgent": "Based on your symptoms and severity, it's recommended to schedule an appointment with a doctor or visit an urgent care center.",
```

```
    "homecare": "Based on your symptoms and severity, you can manage them at home. However, if your symptoms worsen, please seek medical attention."
```

```
}
```

```
print(recommendations[severity])
```

```
def main():
```

```
    welcome()
```

```
    symptoms = get_symptoms()
```

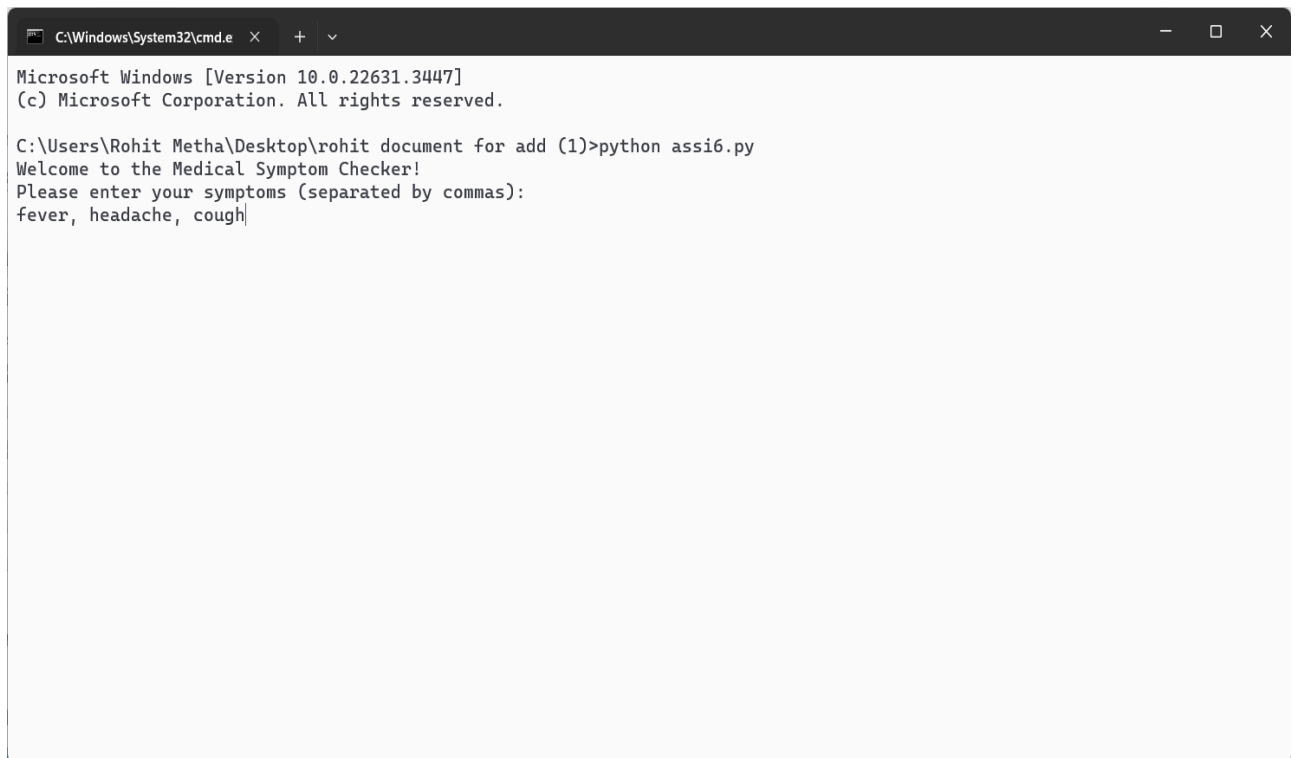
```
    severity = assess_symptoms(symptoms)
```

```
    recommend_action(severity)
```

```
if __name__ == "__main__":
```

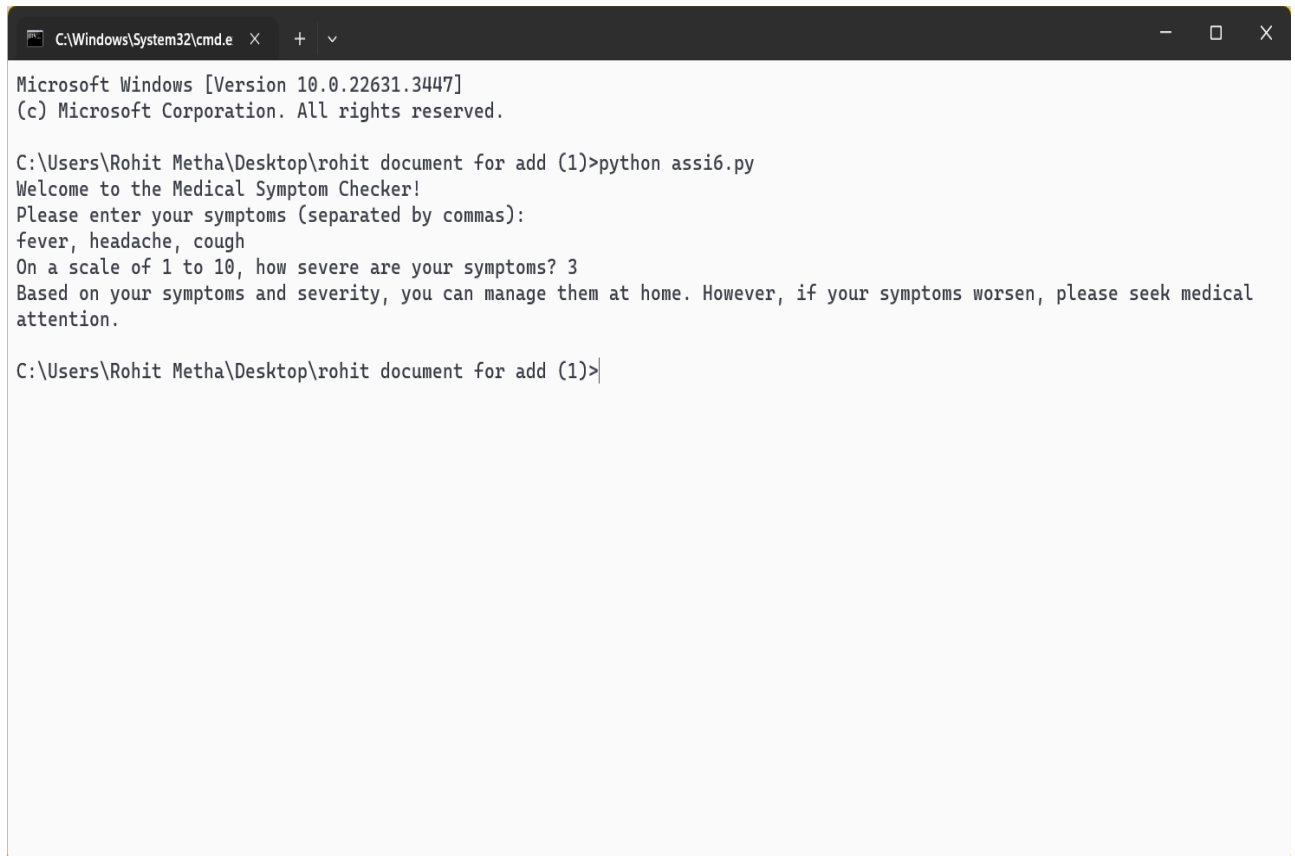
```
    main()
```

OutPut:



```
C:\Windows\System32\cmd.e x + v
Microsoft Windows [Version 10.0.22631.3447]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rohit Metha\Desktop\rohit document for add (1)>python assi6.py
Welcome to the Medical Symptom Checker!
Please enter your symptoms (separated by commas):
fever, headache, cough
```



```
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Microsoft Windows [Version 10.0.22631.3447]
(c) Microsoft Corporation. All rights reserved.

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On a scale of 1 to 10, how severe are your symptoms? 3
Based on your symptoms and severity, you can manage them at home. However, if your symptoms worsen, please seek medical attention.

C:\Users\Rohit Metha\Desktop\rohit document for add (1)>
```