

Name: Amir Bin Shahrani

ID: 22011705

Group: CS2B

Full Code:

```
1 print("=====")
2 print("Crop Harvest Advisory System")
3 print("=====")
4 cropName = input("Please enter the crop name: ")
5
6 while True:
7     growthPeriod = int(
8         input("Please enter the crop's estimated growth period in days: "))
9
10    print(f"Crop Name: {cropName}")
11    print(f"Estimated Growth Period: {growthPeriod} days")
12
13    if 0 < growthPeriod <= 30:
14        print("It's recommended to harvest your crop in the next week.")
15    elif 31 <= growthPeriod <= 60:
16        print("You can start preparing for the harvest within the next two weeks.")
17    elif 61 <= growthPeriod <= 90:
18        print("The best time for harvest is within the next month.")
19    elif growthPeriod > 90:
20        print("Your crop is a long-term crop. Harvesting time can vary based on factors like weather, soil condition, and crop variety.")
21
22        factors = input("Is the weather forecast favorable for your crop? [Y/N] : ")
23
24        if factors == "Y":
25            print("You should start monitoring your crop's condition and be prepared for harvesting when it's ready.")
26        elif factors == "N":
27            print("Consider consulting with local agricultural experts for advice on managing your long-term crop.")
28        else:
29            while True:
30                factors = input("WRONG INPUT... Please answer again. Is the weather forecast favorable for your crop? [Y/N] : ")
31
32                if factors == "Y":
33                    print("You should start monitoring your crop's condition and be prepared for harvesting when it's ready.")
34                    break
35                elif factors == "N":
36                    print("Consider consulting with local agricultural experts for advice on managing your long-term crop.")
37                    break
38            else:
39                print("Invalid growth period!")
40
41    cropName = input("\nPlease enter another crop's name or Exit to end the program: ")
42
43    if cropName == "Exit":
44        print("\nThank you for using the Crop Harvest Advisory System.")
45        break
```

Sample Output:

1.

```
=====
Crop Harvest Advisory System
=====
Please enter the crop name: Banana
Please enter the crop's estimated growth period in days: 24
Estimated Growth Period: 24 days
It's recommended to harvest your crop in the next week.

Please enter another crop's name or Exit to end the program: Apple
Please enter the crop's estimated growth period in days: 65
Crop Name: Apple
Estimated Growth Period: 65 days
The best time for harvest is within the next month.

Please enter another crop's name or Exit to end the program: Exit

Thank you for using the Crop Harvest Advisory System.
```

2.

```
=====
Crop Harvest Advisory System
=====
Please enter the crop name: Apple
Please enter the crop's estimated growth period in days: 110
Crop Name: Apple
Estimated Growth Period: 110 days
Your crop is a long-term crop. Harvesting time can vary based on factors like weather, soil condition, and crop variety.
Is the weather forecast favorable for your crop? [Y/N] : Y
You should start monitoring your crop's condition and be prepared for harvesting when it's ready.

Please enter another crop's name or Exit to end the program: Banana
Please enter the crop's estimated growth period in days: 95
Crop Name: Banana
Estimated Growth Period: 95 days
Your crop is a long-term crop. Harvesting time can vary based on factors like weather, soil condition, and crop variety.
Is the weather forecast favorable for your crop? [Y/N] : N
Consider consulting with local agricultural experts for advice on managing your long-term crop.

Please enter another crop's name or Exit to end the program: Exit

Thank you for using the Crop Harvest Advisory System.
```

3.

```
=====
Crop Harvest Advisory System
=====
Please enter the crop name: Apple
Please enter the crop's estimated growth period in days: 91
Crop Name: Apple
Estimated Growth Period: 91 days
Your crop is a long-term crop. Harvesting time can vary based on factors like weather, soil condition, and crop variety.
Is the weather forecast favorable for your crop? [Y/N] : m
WRONG INPUT... Please answer again. Is the weather forecast favorable for your crop? [Y/N] : Y
You should start monitoring your crop's condition and be prepared for harvesting when it's ready.

Please enter another crop's name or Exit to end the program: Banana
Please enter the crop's estimated growth period in days: 111
Crop Name: Banana
Estimated Growth Period: 111 days
Your crop is a long-term crop. Harvesting time can vary based on factors like weather, soil condition, and crop variety.
Is the weather forecast favorable for your crop? [Y/N] : m
WRONG INPUT... Please answer again. Is the weather forecast favorable for your crop? [Y/N] : N
Consider consulting with local agricultural experts for advice on managing your long-term crop.

Please enter another crop's name or Exit to end the program: Exit

Thank you for using the Crop Harvest Advisory System.
```