

## ASSIGNMENT -5

### CODE :

```
#include<bits/stdc++.h>
using namespace std;

int main(){
    map<string,string> m;
    m["Hello"]="Hi! How may I help you?";
    m["Hi"]="Hello! How may I help you?";
    m["How are you?"]="I am good. What about you?";
    m["I am fine"]="That's great! How may I help you?";
    m["Recharge plans"]="These are some Popular Combo
Plans:\n          Rs. 299 -----> Unlimited Calls + 1.5Gb/day for 28
days\n          Rs. 719 -----> Unlimited Calls + 1.5Gb/day for 84
days\n          Rs. 399 -----> Unlimited Calls + 2.5Gb/day for 28
days\n          Rs. 499 -----> Unlimited Calls + 3Gb/day for 28
days";
    m["Data plans"]="These are some Popular Data Plans:\n          Rs.
151 -----> 8Gb for 30 days\n          Rs. 108 -----> 6Gb for 15
days\n          Rs. 58 -----> 3Gb for 28 days\n          Rs. 39 ----->
3Gb for 7 days\n          Rs. 75 -----> 6Gb for 7 days";
    m["Validity plans"]="These are some Popular Validity
Plans:\n          Rs. 99 -----> Rs. 99 talktime + 200Mb for 28
days\n          Rs. 279 -----> Rs. 279 talktime+ 500Mb for 90
days\n          Rs. 107 -----> Rs. 107 talktime + 200Mb for 30
days\n          Rs. 111 -----> Rs. 111 talktime + 200Mb for 28 days";
    m["Yearly plans"]="These are some Popular Yearly
Plans:\n          Rs. 3099 -----> Unlimited Calls + 2Gb/day for 365
days\n          Rs. 2999 -----> Unlimited Calls + 850Gb for 365
days\n          Rs. 2899 -----> Unlimited Calls + 1.5Gb/day for 365
days\n          Rs. 1799 -----> Unlimited Calls + 24Gb for 365 days";
    m["Thank you"]="Welcome:)";
    string s;
    cout<<"\nEnter something to talk with the ChatBot\n";
    while(true){
        cout<<"\nYou: ";
        getline(cin,s);
        if(s=="quit"||s=="Quit"||s=="Exit"||s=="exit"){
            cout<<"\nChatBot: Thank You:)";
            return 1;
        }
        if(m.find(s)==m.end()||s==""){
            cout<<"\nChatBot: Sorry for inconvenience. However, I
can only answer following questions:\n1.Recharge plans\n2.Yearly
plans\n3.Data.Recharge plans\n4.Validity plans\n5.Quit/Exit\nHope
you understand :)\n";
        }
    }
}
```

```
}
else{
    cout<<"\nChatBot: "<<m[s]<<endl;}}}
```

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## OUTPUT:

Enter something to talk with the ChatBot

You: Hi

ChatBot: Hello! How may I help you?

You: How are you?

ChatBot: I am good. What about you?

You: I am fine

ChatBot: That's great! How may I help you?

You: Recharge plans

ChatBot: These are some Popular Combo Plans:

```
Rs. 299 -----> Unlimited Calls + 1.5Gb/day for 28 days
Rs. 719 -----> Unlimited Calls + 1.5Gb/day for 84 days
Rs. 399 -----> Unlimited Calls + 2.5Gb/day for 28 days
Rs. 499 -----> Unlimited Calls + 3Gb/day for 28 days
```

You: Combo Plans

ChatBot: Sorry for inconvenience. However, I can only answer following questions:

- 1.Recharge plans
  - 2.Yearly plans
  - 3.Data.Recharge plans
  - 4.Validity plans
  - 5.Quit/Exit
- Hope you understand :)

You: Yearly plans

ChatBot: These are some Popular Yearly Plans:

```
Rs. 3099 -----> Unlimited Calls + 2Gb/day for 365 days
Rs. 2999 -----> Unlimited Calls + 850Gb for 365 days
Rs. 2899 -----> Unlimited Calls + 1.5Gb/day for 365 days
Rs. 1799 -----> Unlimited Calls + 24Gb for 365 days
```

You: quit

ChatBot: Thank You:)