

## ASSIGNMENT - 5

Program-5:-Develop an elementary catboat for any suitable customer interaction application.

```
In [2]: def greet(bot_name, birth_year):
    print("Hello! My name is {}".format(bot_name))
    print("I was created in {}".format(birth_year))

def remind_name():
    print('Please, remind me your name.')
    name = input()
    print("What a great name you have, {}!".format(name))

def guess_age():
    print('Let me guess your age.')
    print('Enter remainders of dividing your age by 3, 5 and 7.')

    rem3 = int(input())
    rem5 = int(input())
    rem7 = int(input())
    age = (rem3 * 70 + rem5 * 21 + rem7 * 15) % 105

    print("Your age is {}; that's a good time to start programming!".format(age))

def count():
    print('Now I will prove to you that I can count to any number you want.')
    num = int(input())

    counter = 0
    while counter <= num:
        print("{} !".format(counter))
        counter += 1

def test():
    print("Let's test your programming knowledge.")
    print("Why do we use methods?")
    print("1. To repeat a statement multiple times.")
    print("2. To decompose a program into several small subroutines.")
    print("3. To determine the execution time of a program.")
    print("4. To interrupt the execution of a program.")

    answer = 2
    guess = int(input())
    while guess != answer:
        print("Please, try again.")
        guess = int(input())

    print('Completed, have a nice day!')
    print('.....')
    print('.....')
    print('.....')

def end():
    print('Congratulations, have a nice day!')
    print('.....')
    print('.....')
    print('.....')
    input()

greet('Sbot', '2021') # change it as you need
remind_name()
guess_age()
count()
```

```
test()  
end()
```

```
Hello! My name is Sbot.  
I was created in 2021.  
Please, remind me your name.  
Cedrick  
What a great name you have, Cedrick!  
Let me guess your age.  
Enter remainders of dividing your age by 3, 5 and 7.  
7  
4  
7  
Your age is 49; that's a good time to start programming!  
Now I will prove to you that I can count to any number you want.  
10  
0 !  
1 !  
2 !  
3 !  
4 !  
5 !  
6 !  
7 !  
8 !  
9 !  
10 !  
Let's test your programming knowledge.  
Why do we use methods?  
1. To repeat a statement multiple times.  
2. To decompose a program into several small subroutines.  
3. To determine the execution time of a program.  
4. To interrupt the execution of a program.  
4  
Please, try again.  
1  
Please, try again.  
2  
Completed, have a nice day!  
.....  
.....  
.....  
Congratulations, have a nice day!  
.....  
.....  
.....
```

In [ ]: