Python_ka_Chilla

1. First Program

In [1]:
```python
print("I am writing my first Program")
print("I am learning from Youtube")
print(65657+66766)
```

```
I am writing my first Program
I am learning from Youtube
132423
```

**2.Operators

In [2]:
```python
print(3+5)
print(2-9)
print(6*4)
print(4/2)
print(4//2)
print(8%3)
print(3**4)

print((3*2)+5/2**2-1)
```

```
8
-7
24
2.0
2
2
81
6.25
```

**3.Strings

In [3]:
```python
print('Muhammad Anwar Ul Hassan')
print("Muhammad Anwar Ul Hassan")
print(''' Muhammad Anwar Ul Hassan''')
```

```
Muhammad Anwar Ul Hassan
Muhammad Anwar Ul Hassan
 Muhammad Anwar Ul Hassan
```

**4.Comments

In [4]:
```python
print("I am learning Python")
print(2+5)
```

```
I am learning Python
7
```

**5.Variables

In [5]:
```python
x="Anwar"
```

```
y=2
print(type(x))
print(type(y))

fruit_basket="Mangoes"
print(fruit_basket)
```

```
<class 'str'>
<class 'int'>
Mangoes
```

**6.Input_Variables

In [6]:
```
name=input("What is your name? ")
age=input("How Old are you? ")
Greetings="Hello"
print(Greetings, name, "Oh! you are Still Young")
```

```
What is your name? Anwar
How Old are you? 18
Hello Anwar Oh! you are Still Young
```

**7.Conditional_Logics

In [7]:
```
anwar_age=input("What is your age? " )
school_requirement=6
anwar_age=int(anwar_age)

print(anwar_age==school_requirement)
```

```
What is your age? 22
False
```

**8.type_Conversion

In [8]:
```
x=55
y=4.5
z="Hello World"

print(type(x),type(y),type(z))


x=x*y
print(type(x))


age=input("What is your age? ")
print(age, ", ",type(int(age)))

age=input("What is your age? ")
print(age, ", ",type(float(age)))
```

```
<class 'int'> <class 'float'> <class 'str'>
<class 'float'>
What is your age? 22
22 ,  <class 'int'>
What is your age? 22
22 ,  <class 'float'>
```

**9.if_elif_else

In [9]:
```python
age_of_candidate=input("How Old are You? ")
age_of_candidate=int(age_of_candidate)

if age_of_candidate == 25 :
    print ("Congratulations! You are Qualified to Apply for that Job.")
elif age_of_candidate > 30 :
    print ("Your age limit is more than required. ")
elif age_of_candidate >= 25:
    print("Congratulations! You are Qualified to Apply for that Job.")
else :
    print("We regret to inform you that you are not eligible to apply. ")
```

```
How Old are You? 23
We regret to inform you that you are not eligible to apply.
```

**10.functions

In [10]:
```python
def learning_platform():
    print ("Coursera is Best learning platform")
    print ("Coursera is Best learning platform")
    print ("Coursera is Best learning platform")

learning_platform()

def learning_platform(text):
    text= "Coursera is the Best learning platform"
    print(text)
    print(text)
    print(text)

learning_platform("text")

def learning_platform(text):

    print(text)
    print(text)
    print(text)

learning_platform("Coursera is the Best learning platform")

def job_eligibility(age_of_candidate):
    if age_of_candidate == 25 :
        print ("Congratulations! You are Qualified to Apply for that Job.")
    elif age_of_candidate > 30 :
        print ("Your age limit is more than required. ")
    elif age_of_candidate >= 25:
        print("Congratulations! You are Qualified to Apply for that Job.")
    else :
        print("We regret to inform you that you are not eligible to apply. ")

job_eligibility(23)


def future_age(age):
    new_age = age+20
    return new_age
```

```
predicted_age=future_age(15)
print(predicted_age)
```

```
Coursera is Best learning platform
Coursera is Best learning platform
Coursera is Best learning platform
Coursera is the Best learning platform
Coursera is the Best learning platform
Coursera is the Best learning platform
Coursera is the Best learning platform
Coursera is the Best learning platform
Coursera is the Best learning platform
We regret to inform you that you are not eligible to apply.
35
```

**11.Loops

In [11]:
```python
x=2
while (x<6):
    print(x)
    x=x+1

for x in range (2,8):
    print(x)

country_name= ["Pak","Aus","WIN","Ind","Afg","SL"]
for x in country_name:

    if (x=="Ind"):break
    print (x)
```

```
2
3
4
5
2
3
4
5
6
7
Pak
Aus
WIN
```

**12.import_libraries

In [12]:
```python
import math
print (math.pi)

import statistics
x=[123,767,78,98,54]
print(statistics.mean(x))
```

```
3.141592653589793
224
```