

Todays Objective

- Header Formats
- python Commenting
- Python Literals
- Variables
- Statements
- Funtions

Header Formats

This is the Higest Header Format

This is the Higest Header Format

This is the Higest Header Format

This is the Higest Header Format

This is the Higest Header Format

This is the Higest Header Format

- order List
 1. Item 1
 2. Item 2
 - Sub item 1
 - Sub item 2
 3. Item 3



```
In [1]: 1 # python Commenting
        2 #this the Single line Commenting
        3 """this is the multiline commenting"""
        4
```

```
In [4]: 1 #int ,char,flot,dobule,string,long int ...
        2 #Variable Decaration
        3
        4 #int s=63
        5 a=4
        6 a
        7 print(type(a))
        8 a
```

<class 'int'>

Out[4]: 4

```
In [6]: 1 f=3.6
        2 f
        3 print(type(f))
```

<class 'float'>

```
In [7]: 1 s="cbit"
        2 s
```

Out[7]: 'cbit'

```
In [9]: 1 print(type(s))
```

<class 'str'>

```
In [10]: 1 x,y,z=30,20,10
        2 x+z
```

Out[10]: 40

```
In [11]: 1 x-y
```

Out[11]: 10

```
In [12]: 1 #Task :
        2 a=20
        3 b=4
        4 print("Addition of a and b is ",a+b)
```

Addition of a and b is 24

```
In [14]: 1 print("Addition of", a," and ",b,"is",a+b)
2 print("subtraction of", a," and ",b,"is",a-b)
3 print("multiplication of", a," and ",b,"is",a*b)
4 print("Division of", a," and ",b,"is",a/b)
5 print("Floor division of", a," and ",b,"is",a//b)
6 print("sqrt of", a," and ",b,"is",a**b)
```

Addition of 20 and 4 is 24
 subtraction of 20 and 4 is 16
 multiplication of 20 and 4 is 80
 Division of 20 and 4 is 5.0
 Floor division of 20 and 4 is 5
 sqrt of 20 and 4 is 160000

```
In [18]: 1 #input
2 input1=input("Enter the First Value :")
3 v1=int(input1)
4 input2=input("Enter the second Value :")
5 v2=int(input2)
6 print("addition is ",v1+v2)
```

Enter the First Value :20
 Enter the second Value :4
 addition is 24

```
In [19]: 1 print(type(v1))
2 print(type(v2))
```

<class 'int'>
 <class 'int'>

```
In [20]: 1 i1=int(input("Enter the first value :"))
2 i2=int(input("Enter the first value :"))
3 i1+i2
4
```

Enter the first value :4
 Enter the first value :2

Out[20]: 6

```
In [23]: 1 #Geet Your Friend
2 geet=input("Enter the geetings :")
3 name=input("Enter friend name ")
4 print("hello",name,geet)
```

Enter the geetings :Good Morning
 Enter friend name Vijay
 hello Vijay Good Morning

```
1 # Statemnets In Python
2 * Conditional Statements
3 1. if
4     syntax:
5     if condition:
```

```

6         ...statements
7     2. if else
8         syntax:
9             if condition:
10                ...statements
11            else:
12                ...statements
13    3. if elif else
14        syntax:
15            if condition:
16                ...statements
17            elif:
18                ...statements
19            else:
20                ...statements
21 * Control Statements(Iterations)
22    1. For loop
23        1.break
24        2.continue
25    2. while loop
26        1.break
27        2.continue

```

In [28]:

```

1 # 1. if
2 #     syntax:
3 #     if condition:
4 #     ...statements
5 a=4
6 b=6
7 if a<b:
8     print("yes")
9

```

File "<ipython-input-28-a69f60356110>", line 8

print("yes")

^

IndentationError: expected an indented block

In [30]:

```

1 if a<b
2     print("yes")

```

File "<ipython-input-30-337649cd24ad>", line 1

if a<b

^

SyntaxError: invalid syntax

In [31]:

```

1 if a<b:
2     print("yes")

```

yes

```
In [32]: 1 # 2. if else
2 #       syntax:
3 #       if condition:
4 #           ...statements
5 #       else:
6 #           ...statements
7 if a>b:
8     print("yes")
9 else:
10    print("No")
```

No

```
In [36]: 1 z=int(input("Enter the number :"))
2 if z%2==0:
3     print("Given number is even ",z)
4 else:
5     print("No Given numberr is not even ",z)
```

Enter the number :3

No Given numberr is not even 3

```
In [43]: 1 #task :
2 #Check the given credentials right or not ,
3 #if correct then display the welcome geet
4 #otherwise return wrong credentials
5 username="muni"
6 password=123456
7 name=input("Enter the name:")
8 pwd=int(input("enter the Password:"))
9 if name==username and password==pwd:
10     print("Welcome ",name)
11 else:
12     print("Enter the proper user name")
```

Enter the name:muni

enter the Password:123456

Welcome muni

```
In [47]: 1 username="muni"
2 password=123456
3 name=input("Enter the name:")
4 if name==username:
5     pwd=int(input("enter the Password:"))
6     if pwd==password:
7         print("Welcome ",name)
8     else:
9         print("wrong password")
10 else:
11     print("Enter the proper name")
12
13
```

```
Enter the name:muni
enter the Password:123456
Welcome  muni
```

```
In [50]: 1 username="muni"
2 password=123456
3 mobileNumber=9876543210
4 name=input("Enter the name:")
5 if name==username:
6     pwd=int(input("enter the Password:"))
7     if pwd==password:
8         print("Welcome ",name)
9     else:
10        print("wrong password")
11 else:
12     print("Enter the proper name")
13
```

```
Enter the name:muni
enter the Password:123456
Welcome  muni
```

In [53]:

```
1  # 3. if elif else
2  #      syntax:
3  #      if condition:
4  #          ...statements
5  #      elif:
6  #          ...statements
7  #      else:
8  #          ...statements
9  a=5
10 b=2
11 c=40
12 if a>b and a>c:
13     print("A is grater")
14 elif b>c:
15     print("b is Grater")
16 else:
17     print("c is grater ")
18
19
```

c is grater

In []:

```
1  #Task:
2      # 1.Check given number is odd number or not
3      # 2.Check the given year is Leap year or Non-Leap
4      # 3.wheter checking:take user input if input is lethten 18 print the messa
5          #if in between 18 - 26 print message as "moderate"
6          #if above 30 print the message as "hot"
7      # 4.take input:if lessthen 16 print the "Chaild",
8          #if input grater then or equal 16 print the "Adult"
9          #if input is above 50 print the "old"
```