

1. ARITHMETIC OPERATOR'S

```
>>> def add(a,b):
...     return a+b
...
>>> def sub(c,d):
...     return c-d
...
>>> def mul(e,f):
...     return e*f
...
>>> def div(g,h):
...     return g/h
...
>>> print("=====")
=====
>>> print("1. TO PERFORM ADDITION")
1. TO PERFORM ADDITION
>>> print("2. TO PERFORM SUBTRACTION")
2. TO PERFORM SUBTRACTION
>>> print("3. TO PERFORM MULTIPLICATION")
3. TO PERFORM MULTIPLICATION
>>> print("4. TO PERFORM MULTIPLICATION")
4. TO PERFORM MULTIPLICATION
>>> print("5. Exit")
5. Exit
>>> print("=====")
KeyboardInterrupt
>>> print("=====")
=====
>>> while(1):
...     choice = int(input("Enter Your choice"))
...     if choice ==1:
...
SyntaxError: unexpected indent
>>>     if choice ==1:
...         a=int(input("Enter the 1st value"))
...
SyntaxError: unexpected indent
>>> while(1):
...     choice = int(input("Enter Your choice"))
...     if choice ==1:
...         a=int(input("Enter the 1st value"))
...         b=int(input("Enter the 2st value"))
...
...
Enter Your choice2
Enter Your choicel
Enter the 1st value4
Enter the 2st value5
Enter Your choice
Traceback (most recent call last):
  File "<pyshell#61>", line 2, in <module>
    choice = int(input("Enter Your choice"))
ValueError: invalid literal for int() with base 10: ''
>>> while(1):
...     choice = int(input("Enter Your choice"))
...     if choice ==1:
...
SyntaxError: unexpected indent
>>> while(1):
```

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```
...     choice = int(input("Enter Your choice"))
...     if choice ==1:
...         a=int(input("Enter the 1st value"))
...         b=int(input("Enter the 2st value"))
...         print(add(a,b))
...     elif choice ==2:
...         c=int(input("Enter the 1st value"))
...         d=int(input("Enter the 2nd value"))
...         print(sub(c,d))
...     elif choice ==3:
...         e=int(input("Enter the 1st value"))
...         f=int(input("Enter the 2nd value"))
...         print(sub(c,d))
...     elif choice ==4:
...         g=int(input("Enter the 1st value"))
...         h=int(input("Enter the 2nd value"))
...         print(div(g,h))
...     elif choice ==5:
...         print("Exited")
...         break
...     else:
...         print("wrong choice")
...
...
...
Enter Your choice3
Enter the 1st value2
Enter the 2nd value3
Traceback (most recent call last):
  File "<pyshell#84>", line 14, in <module>
    print(sub(c,d))
NameError: name 'c' is not defined
>>> while(1):
...     choice = int(input("Enter Your choice"))
...     if choice == 1:
...         a=int(input("Enter the 1st value"))
...         b=int(input("Enter the 2st value"))
...         print(add(a,b))
...     elif choice == 2:
...         c=int(input("Enter the 1st value"))
...         d=int(input("Enter the 2nd value"))
...         print(sub(c,d))
...     elif choice == 3:
...         e=int(input("Enter the 1st value"))
...         f=int(input("Enter the 2nd value"))
...         print(sub(c,d))
...     elif choice == 4:
...         g=int(input("Enter the 1st value"))
...         h=int(input("Enter the 2nd value"))
...         print(div(g,h))
...     elif choice == 5:
...         print("Exited")
...         break
...     else:
...         print("wrong choice")
...
...
...
Enter Your choice2
Enter the 1st value2
Enter the 2nd value3
-1
```

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OUTPUT:

```
Enter Your choice1
Enter the 1st value5
Enter the 2st value5
10
Enter Your choice3
Enter the 1st value5
Enter the 2nd value6
-1
Enter Your choice4
Enter the 1st value6
Enter the 2nd value7
0.8571428571428571
Enter Your choice5
Exited
```