

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 DIVISION")
4. TO PERFORM DIVISION
>>> 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 choice1
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):
```

1. ARITHMETIC OPERATOR'S

```
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
```

1. ARITHMETIC OPERATOR'S

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
```