# # Calculator Program

class inp():

def init (self, a, b):

self.a = a

self.b = b class cal(inp):

def add(self):

return self.a + self.b def sub(self):

return self.a - self.b def mul(self):

return self.a \* self.b def div(self):

return self.a / self.b c = 1

while c != 0:

print("Select an Option") print("0. Exit")

print("1. Addition") print("2. Subtraction") print("3. Multiplication") print("4. Division")

print("5. Default: a=6, b=2")

c = int(input("Enter a choice: ")) if c == 1:

a = float(input("Enter the first number: "))

b = float(input("Enter the second number: ")) x = cal(a, b)

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def init (self, a, b): self.a = a

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while c != 0:

print("Select an Option") print("0. Exit")

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print("5. Default: a=6, b=2")

c = int(input("Enter a choice: ")) if c == 1:

a = float(input("Enter the first number: "))

b = float(input("Enter the second number: ")) x = cal(a, b)

s = x.div()

print("The result of division of ", a, "&", b, "is:", s) elif c == 5:

x = cal(6, 2) p = x.add()

print("The result of addition of 6 & 2 is:", p) q = x.sub()

print("The result of subtraction of 6 & 2 is:", q) r = x.mul()

print("The result of multiplication of 6 & 2 is:", r) s = x.div()

print("The result of division of 6 & 2 is:", s)

# Output:

C:\Users\abc\venv\Scripts\python.exe C:/Users/abc/Downloads/cal1.py Select an Option

1. Exit
2. Addition
3. Subtraction
4. Multiplication
5. Division
6. Default: a=6, b=2 Enter a choice: 1

Enter the first number: 12 Enter the second number: 3

The result of addition of 12.0 & 3.0 is: 15.0 Select an Option

1. Exit
2. Addition
3. Subtraction
4. Multiplication
5. Division
6. Default: a=6, b=2 Enter a choice: 2

Enter the first number: 3 Enter the second number: 6

The result of subtraction of 3.0 & 6.0 is: -3.0 Select an Option

1. Exit
2. Addition
3. Subtraction
4. Multiplication
5. Division
6. Default: a=6, b=2 Enter a choice: 3

Enter the first number: 6

Enter the second number: 3

The result of multiplication of 6.0 & 3.0 is: 18.0 Select an Option

1. Exit
2. Addition
3. Subtraction
4. Multiplication
5. Division
6. Default: a=6, b=2 Enter a choice: 4

Enter the first number: 18 Enter the second number: 6

The result of division of 18.0 & 6.0 is: 3.0 Select an Option

1. Exit
2. Addition
3. Subtraction
4. Multiplication
5. Division
6. Default: a=6, b=2 Enter a choice: 5

The result of addition of 6 & 2 is: 8 The result of subtraction of 6 & 2 is: 4

The result of multiplication of 6 & 2 is: 12