

```
└─$ python --version
Python 3.13.7
```

```
└── ctree Foundations\ of\ Secure\ Coding\ with\ Python./  
/home/vedant/Foundations of Secure Coding with Python./  
|   week1 (1 files)  
|   week10  
|   week11  
|   week12  
|   week2  
|   week3  
|   week4  
|   week5  
|   week6  
|   week7  
|   week8  
|   week9
```

```
[vedant@IdeaPad ~]# yay -S visual-studio-code-bin
Sync Explicit (1): visual-studio-code-bin-1.104.3-1
warning: visual-studio-code-bin-1.104.3-1 is up to date -- reinstalling
resolving dependencies...
looking for conflicting packages...

Package (1)          Old Version   New Version   Net Change
chaotic-aur/visual-studio-code-bin  1.104.3-1    1.104.3-1    0.00 MiB

Total Installed Size: 433.24 MiB
Net Upgrade Size: 0.00 MiB
```

```
vedant@IdeaPad ~ Foundations of Secure Coding with Python/week1 via v3.13.7 as took 0s
└─$ pwd
/home/vedant/Foundations of Secure Coding with Python/week1
```

```
⚡ hello-world.py •
week1 > ⚡ hello-world.py
1 print("Hello Everyone! Welcome to the Python Secure Coding Series\n" \
2 "This is my first day here")
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS fish - week1 + × [ ] ×

● vedant@IdeaPad in ~/Foundations of Secure Coding with Python
  □ cd week1/
● vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 0s
  □ python hello-world.py
Hello Everyone! Welcome to the Python Secure Coding Series
This is my first day here
```

```
hello-world.py user-input.py
week1 > user-input.py > ...
1 # SIMPLE BRAND NAME GENERATOR PROGRAM
2 name = input("What is your name : ")
3 pet = input("What is the name of your pet : ")
4 print(f"The name of the Brand is {name}{pet}")


```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 10s
● py user-input.py
What is your name : Vedant
What is the name of your pet : doggy
The name of the Brand is Vedantdoggy

vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 11s

```

```
hello-world.py user-input.py two-nums.py
week1 > two-nums.py > ...
1 num1 = int(input("Enter a number : "))
2 num2 = int(input("Enter a number : "))
3 print(f"The sum of both numbers is {num1 + num2}")


```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 0s
● py two-nums.py
Enter a number : 33
Enter a number : 22
The sum of both numbers is 55

vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 4s

```

```
hello-world.py user-input.py variables.py two-nums.py
week1 > variables.py > ...
● 1 integer = 10
  2 name = "vedant"
  3 decimal = 3.14
  4 string = "My name is Vedant"
  5 print(f"Number : {integer}\nString = {name}\nDecimal = {decimal}\nString = {string}")


```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 4s
● py variables.py
Number : 10
String = vedant
Decimal = 3.14
String = My name is Vedant

vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 0s

```

```
hello-world.py user-input.py variables.py calculator.py two-nums.py
week1 > calculator.py ...
1 num1 = int(input("Enter num1 : "))
2 num2 = int(input("Enter num2 : "))
3 operation = input("Enter '+' for addition\n '-' for subtraction\n '*' for multiplication\n '/' for divide\n-->")
4 if operation == '+':
5     print(f"Addition of {num1} and {num2} is {num1 + num2}")
6 elif operation == '-':
7     print(f"Subtraction of {num1} and {num2} is {num1 - num2}")
8 elif operation == '*':
9     print(f"Multiplication of {num1} and {num2} is {num1 * num2}")
10 else:
11     print(f"The division of {num1} and {num2} is {num1 / num2}")
```

```
> week9
> week10
> week11
> week12
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
fish - week1 + v ... | [x] x
vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 11s
● [-] py calculator.py
Enter num1 : 10
Enter num2 : 5
Enter '+' for addition
'-' for subtraction
'*' for multiplication
'/' for divide
-->+
Addition of 10 and 5 is 15

vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 11s
○ [-]
```

```
EXPLORER ...
FOUNDATIONS OF SECURE...
week1 > simple-grading-system.py [marks]
1 print("Welcome to GRADE EVALUATOR")
2 marks = int(input("Enter your percentages : "))
3 if marks >= 90:
4     print("You are graded A")
5 elif marks >= 80:
6     print("You are graded B")
7 elif marks >= 70:
8     print("You are graded C")
9 else :
10    print("You are FAILED")
```

```
> week12
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
fish - week1 + v ... | [x] x
vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 1s
● [-] py simple-grading-system.py
Welcome to GRADE EVALUATOR
Enter your percentages : 85
You are graded B

vedant@IdeaPad in ~/Foundations of Secure Coding with Python/week1 via v3.13.7 took 3s
○ [-]
```