

```
1 # Data Types
2 # string
3
4 print("hello"[-4])
5
6 "123"
7
8 # integer
9
10 print(123 + 334)
11
12 # 123_456_789 is the same as 123456789, "_" can
   replace ",",
13 # Float
14
15 3.14159
16
17 # boolean
18
19 True
20 False
21 num_char = len(input("what is your name?"))
22 new_num_char = str(num_char)
23 print("your name has " + new_num_char + " characters.")
24 two_digit_number = input("type a two digit number: ")
25 first_num = two_digit_number[0]
26 second_num = two_digit_number[1]
27 result = int(first_num) + int(second_num)
28 print(result)
29 3 + 5
30 7 - 3
31 3 * 2
32 5 / 6
33
34 print(5 ** 2) # 5 raised to the power of 2
35 height = input("enter your height in m: ")
36 weight = input("enter your weight in kg: ")
37 result = float(weight) / float(height) ** 2
38 print(round(result))
39
40 # print(round(2.666666666666, 2)) #round to 2 decimal
```

```
40 places
41 # print(8//3) #the output is an integer
42
43 # -=
44 # +=
45 # /=
46
47 bat
48
49 score = 0
50 height = 1.8
51 isWinning = True
52 # f-string
53 print(f"your score is {score}")
54 age = input("What is your current age? ")
55 days = (90 - int(age)) * 365
56 weeks = (90 - int(age)) * 52
57 months = (90 - int(age)) * 12
58
59 print(f"You have {days} days, {weeks}, and {months}
    months left.")
60 print("Welcome to the tip calculator.")
61 bill = float(input("what was the total bill? $"))
62 tip = int(input("what percentage tip would you like
    to give? 10, 12, or 15? "))
63 person = int(input("How many people to split the bill
    ?"))
64 # total= (int(bill)/int(person))*(float(tip)/100)
65 # print(f"Each person should pay: ${round(total,2)}")
66 tip_as_percent = tip / 100
67 precent_of_bill = bill * tip_as_percent
68 total_bill = bill + precent_of_bill
69 payment = total_bill / person
70 final_amount = "{:.2f}".format(payment)
71 print(f"Each person should pay: ${final_amount}")
72
```