

Assignment 2 To Vu Tran

September 4, 2023

1 Assignment 2

1.1 Date 09/01/2023

1.1.1 Name: To Vu Tran

```
[80]: var_1 = 100
      var_2 = 29
      multiply_result = (var_1+var_2)*3
      exponent = multiply_result**2
      con_num = "%s"%exponent
      print("The result of the calculation was:".rjust(40))
      print(con_num.rjust(20))
```

The result of the calculation was:
149769

```
[3]: name = input("Name: ")
      year = input("Year of birt: ")
      age = int(input("Age: "))
      strp = ''.join([year[2:],name[0:3],"%s"%age**2])
      print("Password:",strp)
```

Name: John
Year of birt: 1995
Age: 26
Password: 95Joh676

```
[4]: num_1 = int(input("First number: "))
      num_2 = int(input("Second number: "))
      if (num_1%2) == 0 and (num_2%2) == 0:
          print("Both numbers are even")
      elif (num_1%2) == 0 or (num_2%2) == 0:
          print("One of the numbers is even")
      else:
          print("Both numbers are odd")
```

First number: 5
Second number: 6
One of the numbers is even

```
[89]: num = int(input("Give an integer: "))
s_num = 0
for i in range(num):
    s_num += i
print("The sum was:",s_num)
```

Give an integer: 5
The sum was: 10

```
[5]: import random

guess_number = -1
turn_counter = 0
dealer_number = random.randint(0,10)
while guess_number != dealer_number:
    guess_number = int(input("Player: "))
    if guess_number < dealer_number:
        print("Try a greater number.")
    if guess_number > dealer_number:
        print("Try a smaller number.")
    turn_counter += 1
print("That's right! Number of tries:",turn_counter)
```

Player: 2
Try a greater number.
Player: 7
Try a smaller number.
Player: 5
Try a smaller number.
Player: 3
That's right! Number of tries: 4

```
[305]: import random

guess_number1 = -1
guess_number2 = -1
turn_counter1 = 0
turn_counter2 = 0
dealer_number = random.randint(0,10)

while guess_number1 != dealer_number:
    guess_number1 = int(input("Player1: "))
    if guess_number1 < dealer_number:
        print("Try a greater number.")
    if guess_number1 > dealer_number:
        print("Try a smaller number.")
    turn_counter1 += 1
```

```

print("That's right! Number of tries:",turn_counter1)
while guess_number2 != dealer_number:
    guess_number2 = int(input("Player2: "))
    if guess_number2 < dealer_number:
        print("Try a greater number.")
    if guess_number2 > dealer_number:
        print("Try a smaller number.")
    turn_counter2 += 1
print("That's right! Number of tries:",turn_counter2)
if turn_counter1 < turn_counter2:
    print ("Winter is Player1")
elif turn_counter1 == turn_counter2:
    print("You both winter")
else:
    print ("Winter is Player2")

```

```

Player1: 5
Try a smaller number.
Player1: 3
That's right! Number of tries: 2
Player2: 5
Try a smaller number.
Player2: 1
Try a greater number.
Player2: 2
Try a greater number.
Player2: 3
That's right! Number of tries: 4
Winter is Player1

```

[]: