

 Generate

print hello world using rot13



Close

```
#Q1
cost = [10,20,30,40,50]
total_bill = 0
```

```
for i in range(5):
    total_bill += cost[i]
```


```
print(total_bill)
```

 150

```
#Q2
marks = (80,90,70,60,85)
avg_marks = 0
```

```
for i in range(5):
    avg_marks += marks[i]
```

```
print(avg_marks/5)
```

 77.0

```
#Q3
email_list = ['a@gmail.com','b@gmail.com','a@gmail.com']
email_set = set()
```

```
for i in range(3):
    email_set.add(email_list[i])
```

```
print(email_set)
```

 {'b@gmail.com', 'a@gmail.com'}


```
#Q4
input_data = {}
```

```
number_of_entries = int(input("How many entries do you want to add? "))
```

```
for i in range(number_of_entries):
    key = input(f"Enter key {i+1}: ")
    value = input(f"Enter value for {key}: ")
    input_data[key] = value
```

```
print("\nThe dictionary you created:")
print(input_data)
print()
```

```
for key,value in input_data.items():
    print(key + '-' + value)
```


 How many entries do you want to add? 2
Enter key 1: Alice
Enter value for Alice: Present
Enter key 2: bob
Enter value for bob: Absent

```
The dictionary you created:
{'Alice': 'Present', 'bob': 'Absent'}
```

```
Alice-Present
bob-Absent
```

```
#Q5
import builtins
num = int(builtins.input("Enter an integer: "))
```

```
for i in range(1,11):
    print(num*i)
```

 Enter an integer: 4
4

```
8
12
16
20
24
28
32
36
40
```

#Q6

```
l1 = [1,2,3,4,5]
```

```
for i in range(5):
    l1[i] = l1[i]*l1[i]
```

```
print(l1)
```

```
→ [1, 4, 9, 16, 25]
```

#Q7

```
n = int(input("Enter the height of the diamond (odd number): "))
```

```
if(n%2 == 0):
    print("Enter a odd number to proceed")
else:
```

```
    for i in range(1, n//2 + 2):
        print(" " * (n//2 - i + 1), end="")
        print("*" * (2*i - 1))
```

```
    for i in range(n//2, 0, -1):
        print(" " * (n//2 - i + 1), end="")
        print("*" * (2*i - 1))
```

```
→ Enter the height of the diamond (odd number): 7
```

```
 *
***
*****
*****
*****
***
 *
```

#Q8

```
l2 = [1,2,3,4,5,6,7,8,9,10]
```

```
even_count = 0
```

```
odd_count = 0
```

```
n = len(l2)
```

```
for i in range(n):
    if l2[i]%2 == 0:
        even_count += 1
    else:
        odd_count += 1
```

```
print("Number of even numbers: ",even_count)
```

```
print("Number of odd numbers: ",odd_count)
```

```
→ Number of even numbers: 5
   Number of odd numbers: 5
```

#Q9

```
fruits = ['apple','orange','mango','apple','orange']
```

```
m = len(fruits)
```

```
unique_fruits = set()
```

```
for i in range(m):
    unique_fruits.add(fruits[i])
```

```
print(unique_fruits)
```

```
→ {'mango', 'apple', 'orange'}
```

#Q10

```
marks = {'Maths':70,'English':60,'Science':95}
```

```
total_marks = 0;

for value in marks.values():
    total_marks += value

print(total_marks)
```

↗ 225

```
#Q11
original_list = [10,20,30,40,50]
reverse_list = []
l = len(original_list)

j = l-1

while j>=0:
    reverse_list.append(original_list[j])
    j = j-1

print(reverse_list)
```

↗ [50, 40, 30, 20, 10]

```
#Q12
username = ['Ayush']
enter_username = input("Enter the username: ")

if(username[0] == enter_username):
    print("Login successful")
else:
    print("Login failed!!")
```

↗ Enter the username: Aayush
Login failed!!

```
#Q13
book_dict = {'Math': 4, 'History': 5, 'Science': 6}
total_books = 0

for value in book_dict.values():
    total_books += value

print("Total books in the dictionary are: ",total_books)
```

↗ Total books in the dictionary are: 15

```
#Q14
a = int(input("Enter a number: "))

for i in range(1,a+1):
    if(i%3 == 0):
        print(i)
```

↗ Enter a number: 20
3
6
9
12
15
18

```
#Q15

l1 = [1,2,3,4,5]
l2 = [2,3,6]

n1 = len(l1)
n2 = len(l2)

i = 0
j = 0
```

```

if(n1 > n2):
    while j<n2:
        if(l2[j] in l1):
            print(l2[j])
        j += 1
else:
    while i<n1:
        if(l1[i] in l2):
            print(l1[i])
        i += 1

```

```

↩ 2
  3

```

```

#Q16
string = input("Enter a string: ")

for i in range(len(string)):
    if(string[i] == 'a' or string[i] == 'e' or string[i] == 'i' or string[i] == 'o' or string[i] == 'u'):
        print(string[i])

```

```

↩ Enter a string: Ayush
  u

```

```

#Q17
list_input = [1,1,2,3,3]
set_of_list = set()

for i in range(len(list_input)):
    set_of_list.add(list_input[i])

final_list = list(set_of_list)

print(final_list)

```

```

↩ [1, 2, 3]

```

```

#Q18
user_data = {}

num_entries = int(input("How many entries do you want to add? "))

for i in range(num_entries):
    key = input(f"Enter key {i+1}: ")
    value = input(f"Enter value for {key}: ")
    user_data[key] = value

print("\nThe dictionary you created:")
print(user_data)
print()

for key,value in user_data.items():
    print(key + '-' + value)

```

```

↩ How many entries do you want to add? 2
  Enter key 1: 1
  Enter value for 1: Alice
  Enter key 2: 2
  Enter value for 2: Bob

  The dictionary you created:
  {'1': 'Alice', '2': 'Bob'}

  1-Alice
  2-Bob

```

```

#Q19
x = int(input("Enter the first range value: "))
y = int(input("Enter the second range value: "))

for i in range(x):

```

```
for j in range(y):  
    print((i,j))
```

↵ Enter the first range value: 2
Enter the second range value: 3
(0, 0)
(0, 1)
(0, 2)
(1, 0)
(1, 1)
(1, 2)

```
#Q20  
password = input("Enter a password: ")
```

```
check_digits = False  
check_letters = False
```

```
for i in range(len(password)):  
    if(password[i].isdigit()):  
        check_digits = True  
    elif(password[i].isalpha()):  
        check_letters = True
```

```
if(check_digits and check_letters):  
    print("Strong password")  
else:  
    print("Weak password")
```

↵ Enter a password: dghsf
Weak password