

untitled1

July 25, 2023

```
[ ]: def fun():  
    name="faizan abbbasi"  
    age=35  
    qualification="bsc transportational engineering"  
    city="lahore"  
    country="pakistan"  
    print(name,age,qualification,city,country)  
fun()
```

faizan abbbasi 35 bsc transportational engineering lahore pakistan

```
[ ]: def add_num(num1,num2,num3):  
    print(num1+num2*num3)  
add_num(1,2,3)
```

7

```
[ ]: def double(num):  
    return num*2  
double(5)
```

[]: 10

```
[ ]: z = lambda x,y : x + y  
z(2,3)
```

[]: 5

```
[ ]: for x in range(0,10,2):  
    print(x)
```

0
2
4
6
8

```
[ ]: days = ["mon","tue","wed","thu","fri","sat","sun"]
      for i in days:
          if(i=="fri"):
              continue
          print(i)
```

mon
tue
wed
thu
sat
sun

```
[ ]: days = ["mon","tue","wed","thu","fri","sat","sun"]
      for i in days:
          if(i=="fri"):
              break
          print(i)
```

mon
tue
wed
thu

```
[ ]: x=1
      while (x<10):
          print(x)
          x=x+2
```

1
3
5
7
9

```
[ ]: t1 = (2,"faizan abbasi",3.4,False)
      t2 = (20,30,40,50,60,70,80)
```

```
[ ]: list=[2,8,5,3,6,9,5,4,]
      list.reverse()
      print(list)
```

[4, 5, 9, 6, 3, 5, 8, 2]

```
[ ]: list=[2,8,5,3,6,9,5,4,]
      list.pop(1)
      print(list)
```

[2, 5, 3, 6, 9, 5, 4]

```
[ ]: list=[2,8,5,3,6,9,5,4,]  
list.sort()  
print(list)
```

[2, 3, 4, 5, 5, 6, 8, 9]

```
[ ]: list=[2,8,5,3,6,9,5,4,5]  
list.count(5)
```

```
[ ]: 3
```

```
[ ]: list=[2,8,5,3,6,9,5,4,5]  
list.append(5)  
print(list)
```

[2, 8, 5, 3, 6, 9, 5, 4, 5, 5]

```
[ ]: s1={1,2,3,4,5,6,7,8,9,10}  
s2={1,2,3,4,5,6,7,8,9,10,11,12,13,14,15}  
print(s1.union(s2))
```

{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15}

```
[ ]: s1={1,2,3,4,5,6,7,8,9,10}  
s2={1,2,3,4,5,6,7,8,9,10,11,12,13,14,15}  
print(s1.intersection(s2))
```

{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

```
[ ]:
```

```
[ ]: num1=20  
num2=30  
product=(num1*num2)  
if (product<=1000):  
    print(product)  
else:  
    print(false)
```

600

```
[ ]:
```

```
[ ]: num1=20  
num2=30  
product=(num1*num2)
```

```

sum=(num1+num2)
if (product<=1000):
    print(product)
else:
    print(sum)

```

600

```

[ ]: a="Faizan Abbasi"
string = input("Enter a string: ")
result = ""

for i in range(len(string)):
    if i % 2 == 0:
        result += string[i]

print("Characters at even index positions are:", result)

```

Enter a string: faizan abbasi
 Characters at even index positions are: fia bai

```

[ ]: s1={1,2,3,4,5,6,7,8,9,10}
s2={1,2,3,4,5,6,7,8,9,10,11,12,13,14,15}
print(s2.difference(s1))

```

{11, 12, 13, 14, 15}

```

[ ]: s1={1,2,3,4,5,6,7,8,9,10}
s2={1,2,3,4,5,6,7,8,9,10,11,12,13,14,15}
print(s1.symmetric_difference(s2))

```

{11, 12, 13, 14, 15}

```

[ ]: s1={1,2,3,4,5,6,7,8,9,10}
s2={1,2,3,4,5,6,7,8,9,10,11,12,13,14,15}
print(s1.union(s2))

```

{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15}

[]:

```

[ ]: #Enumerate function
#add a counter as a key of enumerate object
#reversed
#reverse list over a element sequence in a reversed order

```

```

[ ]: a="faizan Abbasi"
a[0:12:2]

```

```
[ ]: 'fia ba'
```

```
[ ]: a="Athar Hussain "  
a[::2]
```

```
[ ]: 'AhrHsan'
```

```
[ ]: str="UET"  
rev_str=str[::-1]  
if str == rev_str:  
    print("its a pallindrome")  
else:  
    print("its not a pallindrome")
```

```
its not a pallindrome
```