```python
def fun():
  name="manahil"
  age="18"
  qualification="bsc transportation engineering"
  city="lahore"
  country="pakistan"
  print(name,age,qualification,city,country)
fun()
```

```
    manahil 18 bsc transportation engineering lahore pakistan
```

```python
def add_num(num1,num2,num3):
  print(num1+num2*num3)
add_num(7,8,9)
```

```
    79
```

```python
def double(num):
  return num*2
double(5)
```

```
    10
```

```python
z=lambda x,y : x-y
z(2,3)
```

```
    -1
```

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

```
    0
    2
    4
    6
    8
    0
    2
    4
    6
    8
```

```python
days=["mon","tues","wed","thurs","friday","sat","sun"]
for i in days:
  if(i=="friday"):
    continue
  print(i)
```

```
    mon
    tues
    wed
    thurs
    sat
    sun
```

```python
x=1
while(x<10):
  print(x)
  x=x+3
```

```
    1
    4
    7
```

▾ Markdown heading

```python
t1=(2, 'manahil fatima', 5.5, True)
print(t1)
```

```python
t1=(2, 'manahil fatima', 5.5, True)
len(t1)
```

```
4
```

```python
t1=(2,"manahil fatima" ,5.5 ,True)
t1[1:2]
```

```
('manahil fatima',)
```

```python
list=[1,2,3,4,5,6]
list.append(7)
print(list)
```

```
[1, 2, 3, 4, 5, 6, 7]
```

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

```
[1, 2, 3, 5, 6]
```

```python
list=[1,2,3,4,5,6]
list.remove(6)
print(list)
```

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

```python
list=[1,2,3,4,5,6]
list.reverse()
print(list)
```

```
[6, 5, 4, 3, 2, 1]
```

```python
my_dict={'apple':2,'banana':3,'cherry':4}
my_dict['apple']
```

```
2
```

```python
my_dict={'apple':2,'banana':3,'cherry':4}
for key in my_dict:
  print(key)
```

```
apple
banana
cherry
```

```python
my_dict={'apple':2,'banana':3,'cherry':4}
for item in my_dict.items():
  print(item)
```

```
('apple', 2)
('banana', 3)
('cherry', 4)
```

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

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

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

```
{11, 12, 13, 14, 15}
```

```python
a=420
b=30
```

```
product=a*b
sum=a+b
if (product<=1000):
  print(product)
else:
  print(sum)
```

```
    450
```

```
a="manahil fatima"
for i in range(len(a)):
  if (i%2==0):
    print("even characters",a[i])
```

```
    even characters m
    even characters n
    even characters h
    even characters l
    even characters f
    even characters t
    even characters m
```

```
a="manahil fatima"
a[::2]
```

```
    'mnhlftm'
```

```
a="manahil fatima"
a[0:14:2]
```

```
    'mnhlftm'
```

```
string=(input("enter string:"))
reverse=string[::-1]
if string==reverse:
  print(string, "is a palindrome string")
else:
  print("its not a palindrome string")
```

```
    enter string:maham
    maham is a palindrome string
```