Tutorial python 4

1. Perulangan for

```python
for item in range(1, 11, 2):
    print(item)
```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Zakaria> & C:/Users/Zakaria/AppData/Local/Programs/Python/Python310/python.exe "c:/python/00/tutorial py4/perulangan for.py"
1
3
5
7
9
PS C:\Users\Zakaria>
```

2. List

```python
names=["zakaria","zaki","jek","jake","sakar"]
print(names[0])
print(names[-2])
for name in names:
    print(f"nama : {name}")
```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Zakaria> & C:/Users/Zakaria/AppData/Local/Programs/Python/Python310/python.exe "c:/python/00/tutorial py4/list.py"
zakaria
jake
nama : zakaria
nama : zaki
nama : jek
nama : jake
nama : sakar
PS C:\Users\Zakaria>
```

3. List method

```python
numbers=[3,5,1,6,4]
print(numbers)

numbers.append(7)
print(numbers)

numbers.insert(1,2)
print(numbers)

numbers.pop(0)
print(numbers)

numbers.remove(1)
print(numbers)

numbers.sort()
print(numbers)
```

4. Menjumlahkan list

```python
C: > python > 00 > tutorial py4 > 🐍 menjumlahkan list.py > [∅] numbers
1   numbers=[1,2,3,4,5]
2   init_number=0
3
4   for number in numbers:
5       init_number=init_number+number
6
7   print(init_number)
```

5. Mencari angka max

```python
C: > python > 00 > tutorial py4 > 🐍 mencari angka max.py > [∅] numbers
1   numbers=[5,4,3,2,1]
2
3   total=sum(numbers)
4   print(total)
5
6   max_number=max(numbers)
7   print(max_number)
8
9   numbers.sort()
10  max_number=numbers[-1]
11  print(max_number)
12
13  max_number=numbers[0]
14  for number in numbers:
15      if number>max_number:
16          max_number=number
17  print(max_number)
```

6. Tuple

```
C: > python > 00 > tutorial py4 >  tuple.py > [∅] numbers
  1    numbers=(1,2,3,4,5)
  2    print(numbers[2])
```

7. Unpack

```
C: > python > 00 > tutorial py4 >  unpack.py > [∅] numbers
  1    numbers=[1,2,3]
  2
  3    a,b,c=numbers
  4    print(a)
  5    print(b)
  6    print(c)
  7
  8    a,_,_=numbers
  9    print(a)
 10
 11    a,*b=numbers
 12    print(a)
 13    print(b)
```

8. Dictionary

```python
user={
    "name":"Zakaria",
    "age":20,
    "is_admin":True
}

temp=user.get("username")
print(temp)

temp=user.get("username","zakaria_")
print(temp)

user["username"]="zakaria_26"
user["name"]="jek"

temp=user.get("name")
print(temp)
```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Zakaria> & C:/Users/Zakaria/AppData/Local/Programs/Python/Python310/python.exe "c:/python/00/tutorial py4/dictionary.py"
None
zakaria_
jek
PS C:\Users\Zakaria>
```