

Date : 26th May 2021

Day - 2- Report (Work Summary)

INTERNSHIP AT AKASHTECHNOLABS

❖ Day-2 : What we learnt ?

- ✚ Brief information about Variable, Datatype and Comments
- ✚ Various Datatypes and Data Structures.
 - List
 - Tupple
 - Dictionary

Github Link for day2 task:

<https://github.com/shanibaladhiya/AkashTechnoLab-Internship/tree/main/day2>

❖ Task-1:-

❖ Comments:

```
#This is signle line Comment  
  
"""  
This is a  
multiline  
comments.  
"""
```

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❖ Variable :

```
a=10
b=20.5
c="Shani"

print(a, b, c)

c="bunny"
print(c)
```

Output:

10 20.5 Shani

Bunny

```
a = b = c = 10
print('a = ', a)
print('b = ', b)
print('c = ', c)
```

Output:

a = 10

b = 10

c = 10

❖ Datatype:

```
i=10
print(type(i))

f=20.4
print(type(f))
```

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```
c=12e10
print (type(c))
print(c)

#complex data type
com=1+5j
print (type(com))
com1=0b011+5j
print (type(com1))

#bool datatype
x=12
y=10
b=x>y
print (type(b))

#str datatype
s1='shani'
print (type(s1))
s2="bunny"
print (type(s2))
#slicing of string
s="shani"
print (s[0])
print (s[-1])
print (s[1:3]) #[start:end]
print (s[1:])
print (s[:3])
print (s[:])
print (s*3)
```

Output:

```
<class 'int'>
<class 'float'>
<class 'float'>
1200000000000.0
<class 'complex'>
<class 'complex'>
<class 'bool'>
<class 'str'>
<class 'str'>
s
i
ha
hani
sha
```

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shani

shanishanishani

❖ List Datatype

```
l=[10,20,1.5,"shani",10]
#list can be represented in square brackets
print(type(l))
print(l)
print(l[3])
print(l[-1])
print(l[2:4])
l[0]=100
print(l)
#list multiplication
l=l*2
print(l)
```

Output:

<class 'list'>

[10, 20, 1.5, 'shani', 10]

shani

10

[1.5, 'shani']

[100, 20, 1.5, 'shani', 10]

[100, 20, 'shani', 10, 'bunny', 100, 20, 'shani', 10, 'bunny']

❖ Tuple Datatype

```
1 x=(10,20,30)
#Tuple elements can be represented within parenthesis
print(type(x))
print(x)
print(x[1])
print(x[-1])
print(x[0:2])
```

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```
x=x*2  
print(x)
```

Output:

<class 'tuple'>

(10, 20, 30)

20

30

(10, 20)

(10, 20, 30, 10, 20, 30)

❖ Dictionary

```
d={1:'shani',2:'bunny'}  
print(d)  
d[1]='bunnyvalashani'  
print(d)  
d1={} #empty dict  
print(d1)  
'''add new element'''  
d[3]='shani'  
d['shani']='baladhiya'  
print(d)
```

Output:

{1: 'shani', 2: 'bunny'}

{1: 'bunnyvalashani', 2: 'bunny'}

{}

{1: 'bunnyvalashani', 2: 'bunny', 3: 'shani', 'shani': 'baladhiya'}

❖ Task-2:- Crud Operations using mysql

Output:

Insert:

```
Terminal: Local X +
choose option
1.insert data
2.read data
3.update data
4.delete data
enter your choice:1
----We are inserting data----
enter name:Bunny
enter marks:95
insert into student(name,marks) values('Bunny',95);
```

Read:

```
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/pythonProject/crud.py"
DB already exists
table already exists
choose option
1.insert data
2.read data
3.update data
4.delete data
enter your choice:2
----retrive data-----
id name marks
1 Shani 90
2 Bunny 97
3 Kishan 85

Process finished with exit code 0
|
```

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Update:

```
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/pythonProject/crud.py"
DB already exists
table already exists
choose option
1.insert data
2.read data
3.update data
4.delete data
enter your choice:3
----Update Data-----
enter student id to update:2
select option for update
1.update only name
2.update only marks
3.update both
enter update option:2
----update only marks---
enter new marks :99

Process finished with exit code 0
```

Delete:

```
crud x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/pythonProject/crud.py"
DB already exists
table already exists
choose option
1.insert data
2.read data
3.update data
4.delete data
enter your choice:4
Enter ID to be Deleted:3

Process finished with exit code 0
```

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MySQL Table:

