assesment2

June 4, 2023

[ ]:
```
#Q1
#ans:
'in python the comment code is used to specifies(explain) the above written␣
 ↪code by the programmer which helps in analysing the code easily eg by #key␣
 ↪and "coloun key"
' the different type of code used in python '
'single line comment code and multi line comment code
```

[74]:
```
# list contain number of elements can be mutable
l = [1,2,3455677,'hey joy ',3+4j,3.14,True,[1,2,3]]
```

[ ]:
```
#Q2
#ans:
'in python the variables are decleared to assign and store a particular element␣
 ↪in a assigned variables
' we declare and assign value to variables'
'for example:
```

[ ]:
```
'syntax = variable_name = value'
```

[5]:
```
person = ['name','chirag']
```

[6]:
```
print(person)
```

```
['name', 'chirag']
```

[ ]:
```
#Q3
#ans : as give we can convert one data type to another by using the specific␣
 ↪data type function which we want to convert
'for example :
```

[8]:
```
my_list=[1,23,45,5,6,667,7]
list_tuple= tuple(my_list)
print(list_tuple)
```

```
(1, 23, 45, 5, 6, 667, 7)
```

[ ]:
```
#Q4
#ans create new file in .py extension and save the file in script.py
'give command prompt in  run administrator as cd c:\user\username\documents
```

[ ]:
```
#Q5
#ans:
```

[13]:
```
my_list=[1,2,3,4,5]
```

[25]:
```
my_list[1:3]
```

[25]:
```
[2, 3]
```

[ ]:
```
# or
```

[ ]:
```
my_list=[1,2,3,4,5]
```

[67]:
```
my_list[-4:-2]
```

[67]:
```
[2, 3]
```

[ ]:
```
#Q6
#ans:
' complex number in mathmatics which contain the mixture of real number and img␣
 ↪number
'eg : 3+4j
'in python it is represented as
```

[68]:
```
number = 3+4j
```

[69]:
```
type(number)
```

[69]:
```
complex
```

[ ]:
```
name
```

[ ]:
```
#Q7
#ans:
```

[76]:
```
named_age =25
```

[77]:
```
print(named_age)
```

```
25
```

[ ]:
```
#Q8
#ans:
```

[78]:
```
price =9.99
```

[79]:
```
print(price)
```

```
9.99
```

[80]:
```
type(price)
```

[80]:
```
float
```

[ ]:
```
# Q9
#ans:
```

[82]:
```
name = "chirag"
```

[83]:
```
print(name)
```

```
chirag
```

[ ]:
```
#Q10
#ans :
```

[112]:
```
my_string =("Hello,world!")
```

[116]:
```
my_string[6:11]
```

[116]:
```
'world'
```

[ ]:
```
# Q11
#ans :
```

[136]:
```
is_student = input('enter are you student')
if is_student :
    print('you are currently a student.')
else :
    print('you are not currently a student.')
```

```
enter are you student 1
```

```
you are currently a student.
```

[ ]:

[ ]:

[ ]: