Python Basics NoteBook

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In [5]:   #Write a Python code to return your Python version
          import sys
          print(sys.version)
```

3.8.5 (default, Sep 3 2020, 21:29:08) [MSC v.1916 64 bit (AMD64)]

```
In [1]:   #Write a Python code to declare variable id="513".
          #Print the following statement "customer id =513". [Don't use print("customer id =513")]
          id="513"
          print("customer id =",id)
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customer id = 513

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In [61]:  #Run the following statement, why there is an error

          #id=id+1
          id=int(id)+1
          print(id)
```

515

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In [8]:   #Convert the variable id into an integer, increment it by 1.
          #Assign the result to variable new_id.
          #Print the new_id
          id="513"
          new_id=int(id)+1
          print(new_id)
```

514

```
In [20]:  #Write a Python code to print the following string in a specific format (see the output).

          # Twinkle, twinkle, little star,
          #      How I wonder what you are!
          #          Up above the world so high,
          #              Like a diamond in the sky.
          print('''Twinkle, twinkle, little star,
              How I wonder what you are! \t
               Up above the world so high, \t
                    Like a diamond in the sky.''')
```

```
Twinkle, twinkle, little star,
    How I wonder what you are!
     Up above the world so high,
          Like a diamond in the sky.
```

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In [49]:  #Givin the following string variable, # Print the first element in the string

          course="Python for Data Science"
          print(course[0])
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In [23]:  # Print the element on the 13th index in the string
          print(course[13])
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In [24]:  # Find the length of string
          print(len(course))
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In [ ]:   # Print the last element in the string [use negative index]
          print(course[-1])
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In [51]:  # Take the slice on variable course with only index 11 to index 14
          print(course[11:15])
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In [53]:  # Get every third element in the range from index 0 to index 20
          print(course[0:20:3])
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In [56]:  # Concatenate course string with ", AI & Development"
          course=course+", AI & Development"
          print(course)
```

Python for Data Science, AI & Development

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In [57]:  # Replace all the spaces with (_). New string should looks like"Python_for_Data_Science,_AI_&_Development"
          course.replace(' ','_')
```

Out[57]: 'Python_for_Data_Science,_AI_&_Development'

```
In [58]:  # Convert all the characters in string to upper case
          course=course.upper()
          print(course)
```

PYTHON FOR DATA SCIENCE, AI & DEVELOPMENT

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In [ ]:
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