Lab Exercise 3 Write a function in Python with a string such that it accepts a parameter- “stringsplit”. This encoded string will contain your name, domain name and register number. You can separate the values in the string by any number of underscores. [The string should not contain any other underscore symbols in your name, domain name and register number]. The function should return a Python dictionary with your name, domain name and register number. For example, if the input would be " Aaron___Googleplaystore____2347201”. Then the function should return the output as follows: { "name": " Aaron ", "Domain_name": " Googleplaystore ", "Regno": "2347201" }

In [ ]:
```
def string_split(stringsplit):
  Name = ""
  domain_name = ""
  regno = ""

  parts = stringsplit.split("_")

  for part in parts:
    if part != "":
      if Name == "":
        Name = part
      elif domain_name == "":
        domain_name = part
      elif regno == "":
        regno = part

  dict = {
      "Name": Name,
      "Domain_name": domain_name,
      "Regno": regno,
  }
  return dict

stringsplit = str(input("Enter the string: "))

dict = string_split(stringsplit)

print(dict)
```

```
{'Name': 'Rajendran', 'Domain_name': 'Multimedia', 'Regno': '2347248'}
```

Lab Exercise 4 Write a Python program to implement the object-oriented concepts of multiple, Multilevel and Hierarchical Inheritances using your domain applications.

In [ ]:
```
class Menu:


  def __init__(self, app_name, version, file_name):
    self.app_name = app_name
```

```
    self.version = version
    self.file_name = file_name

  def get_app_name(self):
    return self.app_name

  def get_version(self):
    return self.version

  def get_file_name(self):
    return self.file_name

class NavBar(Menu):

  def __init__(self, app_name, version, file_name, duration):
    super().__init__(app_name, version, file_name)
    self.duration = duration

  def get_duration(self):
    return self.duration

class Position(NavBar):
  def __init__(self, app_name, version, file_name, duration, space):
    super().__init__(app_name, version, file_name, duration)
    self.space = space

  def get_space(self):
    return self.space

def main():

  menu1=  Menu("Spotify", "3.0.0", "Song_1")
  menu2=  Menu("Youtube", "24.1.0", "Video_1")

  navbar1 =  NavBar("Amazon","2.1.5","Item_1",[menu1,menu2])
  position1 = Position("Netflix","12.2.1","episode_1","50:01",navbar1)

  print("Menu 1:")
  print("App Name:", menu1.get_app_name())
  print("Version:", menu1.get_version())
  print("File Name:", menu1.get_file_name())

  print("Navigation Bar Item1 :")
  print("App Name:", navbar1.get_app_name())
  print("Version:", navbar1.get_version())
  print("File Name:", navbar1.get_file_name())
  print("Duration:", navbar1.get_duration())

  print("Position 1:")
  print("App Name:", position1.get_app_name())
  print("Version:", position1.get_version())
  print("File Name:", position1.get_file_name())
  print("Duration:", position1.get_duration())
```

```
  print("Space:", position1.get_space())

if __name__== "__main__":
  main()
```

```
Menu 1:
App Name: Spotify
Version: 3.0.0
File Name: Song_1
Navigation Bar Item1 :
App Name: Amazon
Version: 2.1.5
File Name: Item_1
Duration: [<__main__.Menu object at 0x106b01b80>, <__main__.Menu object at
0x106a80d30>]
Position 1:
App Name: Netflix
Version: 12.2.1
File Name: episode_1
Duration: 50:01
Space: <__main__.NavBar object at 0x10697fd90>
```