lesson-2

October 10, 2023

Exercise for Lab 2

[2]:
```
# a program that accept your name and display it
name=input("What is your name?")
```

```
What is your name?Abebe Kebede
```

[3]:
```
print(name)
```

```
Abebe Kebede
```

[4]:
```
'''
a program that accept side of a square and
print the area
'''
side=float(input("enter side length?"))
area=side*side
print("Hey the Result =",area)
```

```
enter side length?10
Hey the Result = 100.0
```

[5]:
```
'''
a program that accept student mark and print total
'''
mid_exam=float(input("enter mid exam result?"))
project_exam=float(input("enter project result?"))
final_exam=float(input("enter final exam result?"))
result=mid_exam+project_exam+final_exam
print("Student result=",result)
```

```
enter mid exam result?15
enter project result?32
enter final exam result?33
Student result= 80.0
```

[6]:
```
'''
a program that accept student mark and print total
'''
```

```
mid_exam=float(input("enter mid exam result?"))
project_exam=float(input("enter project result?"))
final_exam=float(input("enter final exam result?"))
result=mid_exam+project_exam+final_exam
print("Student result=",result)
```

```
enter mid exam result?abebe
```

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
<ipython-input-6-4f84f20ff5b5> in <cell line: 4>()
      2 a program that accept student mark and print total
      3 '''
----> 4 mid_exam=float(input("enter mid exam result?"))
      5 project_exam=float(input("enter project result?"))
      6 final_exam=float(input("enter final exam result?"))

ValueError: could not convert string to float: 'abebe'
```

[11]:
```
names=["Abebe","Kebede","Lemma","Chala"]
```

[8]:
```
print(names)
```

```
['Abebe', 'Kebede', 'Lemma', 'Chala']
```

[10]:
```
names[1]
```

[10]:
```
'Abebe'
```

[12]:
```
names[-1]
```

[12]:
```
'Chala'
```

[15]:
```
my_list=[1,2,3,4]
print(max(my_list))
```

```
4
```

[17]:
```
my_list = [1, 5, 3, 4, 2]
a=max(my_list)
b=min(my_list)
print("Range =",a-b)
```

```
Range = 4
```

[18]:
```
len(my_list)
```

[18]: 5

[19]:
```
names=["Abebe","Kebede","Lemma","Chala"]
```

[23]:
```
x=names.index('dfdfdf')
if x>=0:
  print("it's found")
else:
  print("data not found")
```

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
<ipython-input-23-57a35151cc80> in <cell line: 1>()
----> 1 x=names.index('dfdfdf')
      2 if x>=0:
      3   print("it's found")
      4 else:
      5   print("data not found")

ValueError: 'dfdfdf' is not in list
```

[25]:
```
names=["Abebe","Kebede","Lemma","Chala"]
names.append("Balcha")
print(names)
```

```
['Abebe', 'Kebede', 'Lemma', 'Chala', 'Balcha']
```

[26]:
```
names.insert(2,"Gaddisa")
print(names)
```

```
['Abebe', 'Kebede', 'Gaddisa', 'Lemma', 'Chala', 'Balcha']
```

[27]:
```
names.remove("Gaddisa")
print(names)
```

```
['Abebe', 'Kebede', 'Lemma', 'Chala', 'Balcha']
```

[29]:
```
names.sort()
print(names)
```

```
['Abebe', 'Balcha', 'Chala', 'Kebede', 'Lemma']
```

[30]:
```
names.reverse()
print(names)
```

```
['Lemma', 'Kebede', 'Chala', 'Balcha', 'Abebe']
```

[31]:
```
names.clear()
print(names)
```

```
[]
```