Untitled-1

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# %% [markdown]
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# AI BLUE(2022)

# Submitted To: Mam Anila Habib

# Program: Artificial Intelligence

# Programming For Artificial Intelligence Lab


# %% [markdown]
# Question:1
#
# Stored and Reused Steps:

# %%
def thing():
 print('Hello')
 print('Fun')
thing()
print('Zip')

# %% [markdown]
# Question:2
#
# Type conversions

# %%
print(float(99) / 100)
i= 42
type(i)
print(i)
f = float(i)
print(f)
type(f)
print(1 +2 * float(3) / 4-5)


# %% [markdown]
# Question:3
#
# Function Definition

# %%
def thing():
    print('Hello')
    print('Fun')
thing()
print('Zip')
```

```
thing()

# %% [markdown]
# Question:4
#
# Min and Max Function:

# %%
big=  max('Hello world')
big= max('Hello world')
print(big)
tiny= min('Hello world')
print(tiny)
big= max('Hello world')
print(big)

# %% [markdown]
# Question:5
#
# String Conversions:

# %%
sval = '123'
type(sval)
ival = int(sval)
type(ival)
print(ival + 1)
nsv = 'hello bob'


# %% [markdown]
# Question:6
#
# Built In Functions

# %%
x = 5
print('Hello')
def print_lyrics():
 print("I'm a lumberjack, and I'm okay.")
 print('I sleep all night and I work all day.')
print('Yo')
print_lyrics()
x = x +2
print(x)



# %% [markdown]
# Question:7
#
# Arguments And Parameters

# %%
def greet(lang):
     if lang == 'es':
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         print('Ali')
     elif lang == 'fr':
          print('Abdullah')
     else:
        print('Ahmed')
greet('es')

# %% [markdown]
# Question:8
#
# Return Functions

# %%
def greet():
   return "Hello"
print(greet(), "Ahmed")
print(greet(), "Qazi")

def greet(lang):
      if lang == 'es':
         return 'Hello'
      elif lang == 'friend':
         return 'Bonjour'
      else:
         return 'Hello'

print(greet('en'),'Ahmed')

print(greet('es'),'Qazi')

print(greet('fr'),'Michael')


# %% [markdown]
# Question:9
#
# Multiple Parameter/Arguments Function

# %%
def addtwo(a, b):
 added = a + b
 return added
x = addtwo(3, 5)
print(x)

# %% [markdown]
# Question:10
#
#  Rewrite your pay computation with time-and-a
# half for overtime and create a function called
# computepaywhich takes two parameters ( hours
# and  rate).

# %%
def computepay(hours, rate):
    if hours <= 40:
```

```
178         pay = hours * rate
179     else:
180         pay = 40 * rate + (hours - 40) * (rate * 1.5)
181     return pay
182 
183 hours = float(input("Enter Hours: "))
184 rate = float(input("Enter Rate: "))
185 
186 pay = computepay(hours, rate)
187 print("Pay:", pay)
```