



408/1, Kuratoli, Khilkhet, Dhaka 1229, Bangladesh

Assignment Title:	Midterm Assignment (PiP-	-B)
Assignment No:	01	Date of Submission: 15-10-2021
Course Title:	Programming in Python	
Course Code:		Section: B
Semester:	20	Course Teacher: AKINUL ISLAM JONY

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Default price because of the maintenace cost (hint: you need to override the fare method). Finally, create another class named Minibus which inherits Bus class. However, minibus has the fare carge half of the bus. Now, create object for all the classes and print the fare charges for each of the object. # Answer:5
                      Now, create a subclass called Bus which inherits Vehicle class. In case of a Bus , the fare charge is extra 10% with the
In [36]: class Vehicle:
                              ss Venicie:
def __init__(self, name,mileage,capacity):
    self.name = name
    self.mileage = mileage
    self.capacity = capacity
def fang(self):
                               def fare(self):
return self.capacity*100
                     class Bus(Vehicle):
                               def fare(self):
                                         bus_extra_fare=((self.capacity*100)*10)/100
                                        return (self.capacity*100)+bus_extra_fare
                     class MiniBus(Bus):
                               def fare(self):
                                         return (super().fare())*.5
                     v=Vehicle("TORAG",20,34)
print(f" fare from Vehicle class: {v.fare()}")
                     b=Bus("ENA",30,40)
print(" fare from BUS class: ",b.fare())
                     m=MiniBus("DHAKAR_CHAKA",30,40)
print(f" fare from MiniBus class: {m.fare()}")
                         fare from Vehicle class: 3400
                         fare from BUS class: 4400.0
fare from MiniBus class: 2200.0
                     Create a dictionary which contains all the reserved keywords and their meanings in Python programming languag. Also, create a
                     function
to check wheter a given word (taken from user) is reserved keyword or not.
                      # ANSWER:6
In [63]: my_dict={
                                "False": "False is logical (Boolean) operations in Python",
                                "True": "True is logical (Boolean) operations in Python",
"None": "None is a special constant in Python that represents the absence of a value or a null value.",
                                 "and": "logical operators in Python",
                                "or":'logical operators in Python",
"not":"logical operators in Python",
"not":"logical operators in Python",
"as":"as is used to create an alias while importing a module. It means giving a different name (user-defined) to a module wh:
                              "not:"logical operators in Python",
"as":"as is used to create an alias while importing a module. It means giving a different name (user-defined) to a module whi
"assert":"assert is used for debugging purposes.",
"async": "provided by the asyncio library in Python. This is used to write concurrent code in Python.",
"awastr:"provided by the asyncio library in Python. This is used to write concurrent code in Python.",
"break":"break will end the smallest loop it is in and control flows to the statement immediately below the loop.",
"continues:"continue causes to end the current iteration of the loop, but not the whole loop.",
"class:"class is used to define a new user-defined class in Python.",
"def:"def is used to define a user-defined function.",
"def:"use is used to define a user-defined function.",
"def:"use for conditional branching or decision making.",
"else":"use for conditional branching or decision making.",
"else":"use for conditional branching or decision making.",
"except":"use with exceptions in Python",
"raise":"use with exceptions in Python",
"fromise with exceptions in Python",
"fromise with exceptions in Python",
"from!":"in is used for looping",
"from:"from is used for looping",
"from:"from is used for looping",
"from:"from is used to import specific attributes or functions into the current namespace",
"miport":"import keyword is used to import modules into the current namespace.",
"global":"global is used to declare that a variable inside the function is global ",
"in":"in is used in Python for testing object identity.",
"lambda":"lambda is used to create an anonymous function",
"nonlocal":"nonlocal is used to declare that a variable inside a nested function is not local ",
"pass":"pass is a null statement in Python",
"resturne": "resturne tratement is repeting in function to a variable instance of the nature a variable ".
                               "nonlocal": "nonlocal is used to declare that a variable inside a nested runction is not local",
"pass": "pass is a null statement in Python",
"return": "return statement is used inside a function to exit it and return a value.",
"while is used for looping in Python",
"with": "with statement is used to wrap the execution of a block of code within methods defined by the context manager.",
"yield": "yield is used inside a function like a return statement. But yield returns a generator."
                     def check():
                                user_keyword=input("ENTER A KEYWORD TO CHECK: ")
                               if user_keyword in my_dict:
    print("\n YES! This is reserved keyword and meaning is ---> ",my_dict[user_keyword])
else:
                                        print("\n NO! This isn't reserved keyword ")
                      check()
                     4
                      ENTER A KEYWORD TO CHECK: else
                        YES! This is reserved keyword and meaning is ---> use for conditional branching or decision making.
                     Write a program to create a Pascal Triangle pattern. The number of rows of the pattern will be taken from the user. Finally
                     print the
```

Hints: A pascal triangle start with "1" at the top, then continue placing numbers below it in a triangular pattern, where each number is the

Create a parent class named Vehicle which contains three attributes ( name , mileage , capacity ), and a method called tare .

fare method calculate the fare multiplying capacity by 100

pattern.