1.

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| Input | Output | Processing |
| A = input("Do you want to calculate the extended price? (Yes or No)")  while A == "Yes":      Quantity = float(input("Enter the quantity: "))      UnitPrice = float(input("Enter the unit price: "))      ExtendedPrice = ComputedExtendedPrice(Quantity, UnitPrice)      TotalExtendedPrice = TotalExtendedPrice + ExtendedPrice      print(f"Extended Price is ${ExtendedPrice}")      A = input("Do you want to calculate the extended price amount (Yes or No): ") | A = input("Do you want to calculate the extended price amount (Yes or No): ") | def ComputedExtendedPrice(Quantity, UnitPrice):      ExtendedPrice = Quantity \* UnitPrice      if ExtendedPrice > 10000.00:          Discount = 0.0      return ExtendedPrice |
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2.

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| Input | Output | Processing |
| LastName = input(“Enter the players’ name”) | A= input(“Do you want to continue”)  If A == “Yes” | BattingAverage = NumberHits / AtBats  def divide(NumberHits, AtBats):      print("The batting average is: " + str(BattingAverage))  divide(NumberHits, AtBats)  #output  print(f"Player's name: {LastName}")  print(f"Number of hits: {NumberHits}")  print(f"Number of at bats: {AtBats}")  print(f"Batting Average: {BattingAverage:.3f}") |
|  | LastName= input(‘Enter the players’ name: “)  NumberHits = input(“ Enter the amount of hits the player have: “)  AtBats= int(input(“Enter the amount of times the player batted: “)  BattingAverage = NumberHits / AtBats |  |
|  | Def divide( NumberHits, AtBats):  Print(“The batting average is: “ + str(BattingAverage))  Print(f”Player’s name: {LastName}”)  Print(f”Number of hits: {NumberHits}”)  Print(f”Number of at bats: {Atbats}”)  Print(f”Batting Average: {Batting Average: .3f|) |  |
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| Input | Output | Processing |
| City = input(“Enter the city”) | A = input("Do you want to continue? (Yes or No) ")  if A == "Yes":      City = input("Enter the city")      Miles = int(input("Enter the total miles"))      Gallons = int(input("Enter the total gallons used"))      def divide (Miles, Gallons):          print("The miles per gallon is", Miles / Gallons)      print(f"The city is", City)      print(f"The total miles is", Miles)      print(f"The total gallons used is", Gallons)      divide(Miles, Gallons) | def divide (Miles, Gallons):      print("The miles per gallon is", Miles / Gallons)  #output  print(f"The city is", City)  print(f"The total miles is", Miles)  print(f"The total gallons used is", Gallons)  divide(Miles, Gallons) |
| Miles = int (input(“Enter the total miles”)) |  |  |
| Gallons – int (input(‘Enter the miles per gallons”)) |  |  |
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| Input | Output | Processing |
| LastName= input(“ Enter the employee’s last name”) |  | A = input (“Do you want to continue? (Yes or No) “) |
| JobCode = input(“Enter the employee’s job code”) |  |  |
| HoursWorked = int (input(“ How many hours the employee worked”) |  |  |
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| Input | Output | Processing |
| LastName = input(“Enter the student’s last name”) | print ("The student's last name is", LastName)  print ("The student's credit hours are", Credit)  print ("The student's district code is", DistrictCode)  print ("The total tuition cost", TuitionCost) | #Determining the student’s district code. #Find the student’s total tuition cost based on the district code and credit hours |
| Credit = int (input(“Please enter the student’s credit hours”)) |  | TuitionCost = Credit \* I |
| DistrictCode = input(“Please enter the student’s district code”)) |  | def TuitionCost (Credit, I, O):      if DistrictCode == "I":          TuitionCost = Credit \* I      elif DistrictCode == "O":          TuitionCost = Credit \* O      else:          print("Please enter a valid district code")      return TuitionCost  def DistrictCode (I,O):      if DistrictCode == "I":          TuitionCost = Credit \* I      elif DistrictCode == "O":          TuitionCost = Credit \* O      else:          print("Please enter a valid district code")      return TuitionCost |
| I= 250 , O = 550 |  |  |
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