**Pre-Release Material 2019 O – Level**

**print("\*\*\*\*\*\*\*\*\*\* Task 1 Auction Setup \*\*\*\*\*\*\*\*\*\*")**

item\_number = []

item\_name = []

item\_description = []

item\_reservedPrice = []

item\_bids = []

item\_numberOfBidsCount = []

item = int(input("How many items to be sold: "))

while item <10:

item = int(input("Minimum 10 items. How many items to be sold: "))

item\_bids = [0 for i in range(0,item)]

item\_numberOfBidsCount = [0 for i in range(0,item)]

for i in range(0,item):

number = int(input("Enter unique item number: "))

while number in item\_number:

number = int(input("Item number already exist. Enter unique item number: "))

item\_number.append(number)

name = input("Enter item name: ")

item\_name.append(name)

description = input("Enter item description: ")

item\_description.append(description)

reservedPrice = float(input("Enter item reserved price: "))

item\_reservedPrice.append(reservedPrice)

**print("\*\*\*\*\*\*\*\*\*\* Task 2 Buyer Bids \*\*\*\*\*\*\*\*\*\*")**

number = int(input("Enter item no. (Press -1 to Stop): "))

while number != -1:

position = -1

for i in range (0,item):

if number == item\_number[i]:

position = i

print("Item name is: ",item\_name[position])

print("Item description is: ",item\_description[position])

print("Item current highest bid: ",item\_bids[position])

buyerBid = input("Do you want to bid? (y/n) : ")

if(buyerBid=="y" or buyerBid=="Y" ):

buyerID = int(input("Enter Buyer Id: "))

bid\_amount = float(input("Enter your bid: "))

if(bid\_amount>item\_bids[position]):

item\_bids[position] = bid\_amount

item\_numberOfBidsCount[position] = item\_numberOfBidsCount[position]+1

if(position == -1):

print("No Item Found!")

number = int(input("Enter item no. (Press -1 to Stop): "))

**print("\*\*\*\*\*\*\*\*\*\* Task 3 At the End of the Auction \*\*\*\*\*\*\*\*\*\*")**

total\_amount = 0

total\_sold = 0

total\_unsold = 0

total\_noBid = 0

sold = []

unsold = []

noBid = []

for i in range (0,item):

if (item\_numberOfBidsCount[i]>0):

if(item\_bids[i]>item\_reservedPrice[i]):

sold.append(item\_number[i])

total\_amount = total\_amount + item\_bids[i]

total\_sold = total\_sold + 1

else:

unsold.append(item\_number[i])

total\_unsold = total\_unsold + 1

else:

noBid.append(item\_number[i])

total\_noBid = total\_noBid + 1

print("Total Cost: ",(total\_amount+total\_amount\*0.1))

print("Number of Sold Item: ",(total\_sold))

print("Number of Unsold Item: ",(total\_unsold))

print("Number of Nobid Item: ",(total\_noBid))

print("Sold Items: ",(sold))

print("Unsold Items: ",(unsold))

print("Items with no bid: ",(noBid))