Day 4: Control Statements

Solve the below questions:

```
# 1. Python program to check leap year.
year = int(input("Enter year:"))
#To check whether the year is leap year or not
#1. year must be divisible by 4 OR
#2. if the year is divisible by 100 then it must also be divisible by 400
If year%4==0 or (year%100==0 and year%400==0): # If the above conditions are
met, then it will be a leap year.
else :
```

```
#Accept three numbers from the user
num1 = int(input("Please enter first number: "))
num2 = int(input("Please enter second number: "))
num3 = int(input("Please enter third number: "))
#if 1st no. is greater than the other two then it is the largest number apply
this condition to all three no.
if num1>num2 and num1>num3:
elif num2>num1 and num2>num3:
else :
print("-----")
```

```
# 3. Python Program to Check if a Number is Positive, Negative, or 0.
integer = int(input("Enter any integer: ")) #Accept input from user
if integer>0:
else:
print("----")
```

```
key-based toys,
electrical charging
and 3 are used
respectively.
print("product code for different toys:\n Battery Based Toy = 1 \n Key Based
Toys = 2 \setminus n Electrical Charging Based Toys = 3")
product code = int(input("Enter the product code: ")) #accept product code
from user
```

```
print("Your Payable amount after discount is Rs.", discount)
Rs.",order_amount,"You are not eligible for discount")
```

print("Thank you for coming")			
print("Have a nice day!")			
print("		")	

```
user.
Dist = int(input("What is the transport distance in km:")) #accept dist from
user in km
if Dist <=50: #it checks whether Dist is less than or equal to 50 km.
  charges = 8 * Dist
  print("Final Charges are", charges)
elif 100 > Dist >= 51: #It checks whether Dist is less than 100 and greater
  print("Rs.10/km charges are applicable") #if yes then charges are Rs.10/km
  charges = 10 * Dist
  print("Final Charges are", charges)
```

```
else :
   print("Rs.12/km charges are applicable") #else charges are Rs.12/km
   charges = 12 * Dist
   print("Final Charges are", charges)
```

Output:

