Assignment 3:

Q)

import random

def roll\_dice():

return random.randint(1, 6), random.randint(1, 6)

def count\_die(die1, die2):

total = die1 + die2

print("You rolled {} + {} = {}".format(die1, die2, total))

if total == 7 or total == 11:

print("You Win! :)")

elif total == 2 or total == 3 or total == 12:

print("You lose! :(")

else:

print("Point is {}".format(total))

return total

def main():

# To Initial roll

die1, die2 = roll\_dice()

point = count\_die(die1, die2)

# Continue rolling until a 7 or the same point is rolled

while point is not None:

input("Press Enter to roll the dice ^-^")

die1, die2 = roll\_dice()

point = count\_die(die1, die2)

main()

Q2)

def eliminate\_duplicates(lst):

return list(set(lst))

def main():

while True:

try:

# First: Input ten numbers

numbers = input("Enter ten numbers separated by spaces: ").split()

#Then: Convert the input to integers

numbers = [int(num) for num in numbers]

# Check if there are exactly ten numbers

if len(numbers) == 10:

break # Exit the loop if exactly ten numbers are entered

else:

print("Please enter exactly ten numbers.")

except ValueError:

print("Invalid input. Please enter valid integers.")

# Call the function to eliminate duplicates

distinct\_numbers = eliminate\_duplicates(numbers)

# Display the result

print("The distinct numbers are:", end=" ")

for num in distinct\_numbers:

print(num, end=" ")

print()

main()

Q3)

def count\_1 ():

list\_1= []

for i in range (10):

element= int (input ("Enter element: "))

list\_1.append(element)

print(list\_1)

print ("min: ",list\_1.index(min(list\_1)))

count\_1()