**Question 1:** str = 'you are invited to take a progra**m**ming te**s**t', please give the output of following codes:

str[3:9] \_\_\_\_\_\_\_\_\_ str[:4] \_\_\_\_\_\_\_\_\_

str[7:] \_\_\_\_\_\_\_\_\_ str[-8:-4] \_\_\_\_\_\_\_\_\_

str[:-5] \_\_\_\_\_\_\_\_\_ str[-3:-9] \_\_\_\_\_\_\_\_\_

str[-10:-7] \_\_\_\_\_\_\_\_\_ str[10:1:2] \_\_\_\_\_\_\_\_\_

str[::4] \_\_\_\_\_\_\_\_\_ str[-2:-10:-3] \_\_set gnim\_\_\_\_\_\_\_

str[::2] \_\_\_\_\_\_\_\_\_ str[15:-12] \_\_\_\_\_\_\_\_\_

**Question 2:** please translate the following numbers into binary, octal, hex number:

358

709

211

**Question 3:** Please answer the output of following codes:

students = ("Tim", "Jack", "Sosanna")

students[1] = “New Student”

print(students[1])

**Question 4:** Please answer the output of following codes:

date = ['monday', 'tuesday', 'wednesday', 'thursday', 'friday']

t = date[0]

date[0] = date[-1]

date[-1] = t

print(date)

**Question 5:** Please answer the output of following codes:

month = {1:"Jan", 2:"Feb", 3:"March"}

month["2"] = "February"

print(month)

print(month.keys())

print(month.values())