Question 1 (1.5 points) : Qu'est-ce que ce programme affiche ?

```
x = 2
y = -3

if y or x:
    y = y - 1
    x = x + 1

if y < 0 or x < 0:
    y = y + 2
    x = x + 2

z = x and y

if z:
    print(x * z)
else:
    print(-x * y)
```

Question 2 (1.5 points) : Qu'est-ce que ce programme affiche ?

Note: The question operates on strings, so it is out of scope of the midterm exam. However, you can convert string to a list, by calling list( ) function and passing the string as the argument. For example: s_list = list(s).
Try solving the question assuming s is replaced with the list s_list.

```
s = "Avatar-The-way-of-water"
t = s[-12::-3] if len(s) % 2 else s[-12::3]
print(t)
```

Question 3 (1.5 points) : Qu'est-ce que ce programme affiche ?

```
t = [0, False, True, "empty"]
x = True == '1'
y = t[1] or t[-1]
z  = len(t[3]) > False < True
print(x or y or z)
```

Question 4 (2 points) : Qu'est-ce que ce programme affiche ?

```
s1 = [x for x in range(1,10)]
s2 = [x for x in range(5,15)]
s3 = [s1.index(x) if x in s1 else 0 for x in s2]
print(s3[3])
```

Question 5 (2 points) : Combien d'etoiles affiche ce programme ?

```
i = 37
while i > 1:
    if i % 2:
        i  = i // 2
    else:
        print("*")
        i = i + 1
```

Question 6 (2 points) : Qu'est-ce que ce programme affiche ?

```
s = "ABcDefg HiJk"
t = s[-1::-1]
for c in t:
    if c == 'c':
        break
    elif c == c.lower():
        continue
    print(c, end = ',')
```

Note: The question operates on strings, so it is out of scope of the midterm exam. However, you can convert string to a list, by calling list( ) function and passing the string as the argument. For example: s_list = list(s).
Try solving the question assuming s is replaced with the list s_list.

Help: The method lower() takes a character and returns a low-case version of it.

```
t = []
for i in range(10, 20):
    for j in range(2, i):
        if i % j == 0:
            t.append(j)
            break
print(len(t), end = ",")
print(max(t))
```

Question 8 (1.5 points) : Qu'est-ce que ce programme affiche ?

```
s = [2, -10, 6, 2, 9, 9, 5, 18, 10, -16]
b = 0
for v in s:
    if (v if v > 0 else -v) > (b if b > 0 else -b):
        b = v
print(b)
```

Question 9 (1.5 points) : Qu'est-ce que ce programme affiche ?

```
s = [x for x in range(1,6)]
s = s[-3:] + s[:-3]
s.reverse()
print(s)
```