

Week 7 Programming Assignment

Question 1

```
a = input().split()
ladder_pos = [eval(i) for i in a]

b = input().split()
snake_pos = [eval(i) for i in b]

curr_pos = int(input())
dice_roll = int(input())
new_pos = (curr_pos + dice_roll)%100

if new_pos in ladder_pos:
    print(1, end="")
elif new_pos in snake_pos:
    print(-1, end="")
else:
    print(0, end="")
```

Question 2:

```
def is_palindrome(word,s,e):
    if word[s]==word[e]:
        return 1
    if word[s]!=word[e]:
        return 0
    return is_palindrome(word, s+1, e-1)

word = input()
print(is_palindrome(word,0,len(word)-1),end="")
```

Question 3:

```
flag1 = 1
flag2 = 1
r = int(input())
c = int(input())

mat = []
# taking matrix input
for i in range(r):
    temp = input().split()
    row = [eval(x) for x in temp]
    mat.append(row)

for i in range(r):
    for j in range(c):
        if mat[i][j] > 1:
            flag1 = 0
        if mat[i][j] != mat[j][i]:
            flag2 = 0

print(flag1,flag2,sep="",end="")
```