

Algorithm exam:

E1:

1-a:

```
height=3

width=5
output="x"*width
for n in range(height):
    print(output+"\n")
```

1-b :

```
height=2

width=10
output="x"*width
for n in range(height):
    print(output+"\n")
```

E2:

2-a:

```
label="hi"

a=len(label)
for n in range(a):
    print("x"+"\n")
```

2-b:

```
label="hello"

a=len(label)
for n in range(a):
    print("x"+"\n")
```

E3: result=ABCDDDDDDDD

E4:

```
text1 = "yes"

text2 = "name" + "1" + "1"
print(text1 + text2)
```

E5:

```
x=int(input())
if (x>=4) or (x<=10):
    print("wow")
else:
    print("well")
```

E6:

Q1: type of result is float.
Q2: the VALUE of result=127.5

E7:

Q1:x= [50, -infinity]

Q2:x= [51,79]

Q3:x= [80, +infinity]

E8: print("True" or "False")

E9: error

E10:

```
maximal=int(input())
```

```
minimal=int(input())
```

```
number=int(input())
```

```
if number<maximal and number>minimal:
```

```
    print("Won!")
```

```
else:
```

```
    print("Lost, Try again, 1 more chances")
```

```
    number=int(input())
```

```
    if number<maximal and number>minimal:
```

```
        print("Won!")
```

```
    else:
```

```
        print("Lost, Try again, 2 more chances")
```

```
        number=int(input())
```

```
        if number<maximal and number>minimal:
```

```
            print("Won!")
```

```
        else:
```

```
            print("lost, Game Over")
```

E11:

11-a:

```
height=2
```

```
width=3
```

```
a=4
```

```
output="x"*width
```

```
output=output+" "
```

```
output=output*a
```

```
for n in range(height):
```

```
    print(output+"\n")
```

11-b:

```
height=3
```

```
width=2
```

```
a=5
```

```
output="x"*width
```

```
output=output+" "
```

```
output=output*a
```

```
for n in range(height):
```

```
    print(output+"\n")
```

