1.

```
num= int(input())
product=1
while product*product<=num:
    if product*product==num:
        print(num,"is a Perfect Square")
        break
    product+=1
else:
        print(num,"is not a Perfect Square")
```

2.

```
a=int(input())
for i in range(1,a+1):
    print('*'.join(str(i) for dash in range(i)))
for i in range(a-1,0,-1):
    print('*'.join(str(i) for dash in range(i)))
```

3.

```
x=int(input())
y=int(input())
for j in range(x):
    for k in range(y):
        if j==0 or j==x-1 or k==0 or k==y-1:
            print(1,end=" ")
        else:
            print(0,end=" ")
    print()
```