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1.
low = int(input("Enter the starting Value:\n"))
high = int(input("Enter the ending Value:\n"))
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for i in range(low,high+1):
    sum = 0
    t1 = i
    while (t1!=0):
        digit = t1%10
        sum = sum + (digit**3)
        t1 = t1//10
    if i==sum:
        print(i,end=", ")
```

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2.
low = int(input("Enter the starting Value:\n"))
high = int(input("Enter the ending Value:\n"))
if low == 0:
    low = low+2
if low== 1:
    low = low+1
for i in range(low,high):
    count = 0
    for j in range(2,i):
        if i%j == 0:
            count += 1
    if count == 0:
        print(i,end=", ")
```

```
3.
row = int(input("Enter the no. of Rows\n"))

for i in range(1,row+1):
    for j in range(1,i+1):
        if(j<=i):
            print(i,end=" ")
    print("")
```

```
4.
row = int(input("Enter the no. of Rows\n"))

for i in range(1,row+1):
    for j in range(1,i+1):
        if(j<=i):
            print(j,end=" ")
    print("")
```

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5.
row = int(input("Enter the no. of Rows\n"))
for i in range(row,0,-1):
    for j in range(1,row+1):
        if(j>=i):
            print((row+1-i),end=" ")
        else:
            print(" ",end=" ")
    print("")
```

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6.
row = int(input("Enter the no. of Rows\n"))

for i in range(1,row+1):
    for j in range(1,i+1):
        print(chr(64+j),end=" ")
    print("")
```

7.
row = int(input("Enter the no. of Rows\n"))

```
for i in range(row,0,-1):
    for j in range(1,row+1):
        if(j<=i):
            print(i,end=" ")
        else:
            print(" ",end=" ")
    print("")
```

8.
row = int(input("Enter the no. of Rows\n"))
for i in range(row,0,-1):
 if i%2 != 0:
 for space in range(row,i,-1):
 print(" ",end="")
 else:
 for space in range(row-1,i,-1):
 print(" ",end="")
 for j in range(0,i):
 if i%2 != 0:
 print(i,end="")
 print(" ",end="")
 else:
 print(" ",end="")
 print(i,end="")
 print("")