

```
string= "python"
r=int(input("Enter the range: "))
```

```
for i in range(r):
    print(string)
```

```
python
python
python
python
python
python
```

```
for i in range(r):
    for j in range(i+1):
        print(string[j],end="")
    print()
```

```
p
py
pyt
pyth
pytho
python
```

```
for i in range(r,0,-1):
    for j in range(i):
        print(string[j],end="")
    print()
```

```
python
pytho
pyth
pyt
py
p
```

```
for i in range(r):
    print(" "*(r-i),end="")
    for j in range(i+1):
        print(string[j],end="")
    print()
```

```
    p
    py
    pyt
    pyth
    pytho
    python
```

```

for i in range(r,0,-1):
    print(" "*(r-i),end="")
    for j in range(i):
        print(string[j],end="")
    print()

```

```

python
pytho
pyth
pyt
py
p

```

```

for i in range(r):
    print(" "*(r-i),end="")
    for j in range(i+1):
        print(string[j],end=" ")
    print(" "*(r-i))

```

```

p
p y
p y t
p y t h
p y t h o
p y t h o n

```

```

for i in range(r,0,-1):
    print(" "*(r-i),end="")
    for j in range(i):
        print(string[j],end=" ")
    print(" "*(r-i))

```

```

p y t h o n
p y t h o
p y t h
p y t
p y
p

```

```

for i in range(r):
    print(" "*(r-i),end="")
    for j in range(i+1):
        print(string[i],end=" ")
    print(" "*(r-i))

```

```

p
y y
t t t
h h h h
o o o o o
n n n n n n

```

```

for i in range(r,0,-1):
    print(" "*(r-i),end="")
    for j in range(i):
        print(string[i-1],end=" ")
    print(" "*(r-i))

```

```

n n n n n n
o o o o o
h h h h
t t t
y y
p

```

```

for i in range(r,0,-1):
    print(" "*(r-i),end="")
    for j in range(i):
        print(string[i-1],end="")
    print(" "*(r-i))

```

```

nnnnnnn
ooooo
hhhh
ttt
yy
p

```

```

for i in range(r):
    print(" "*(r-i),end="")
    for j in range(i+1):
        print(string[i],end="")
    print()

```

```

p
yy
ttt
hhhh
ooooo
nnnnnn

```

```

for i in range(r):
    for j in range(i+1):
        print(string[i],end="")
    print()

```

```

p
yy
ttt
hhhh
ooooo
nnnnnn

```