Program 1 :

```
n=int(input("masukkan nilai n ="))
for baris in range(0,n):
    str='1'
    for kolom in range (0,n-1):
        if (baris==0) or (baris == n-1):
            str=str+'1'
        else :
            if kolom !=n-2:
                str=str+'0'
            else :
                str=str+'1'
    print(str)
```

Hasil No 1 :

```
C:\Users\asus\AppData\Local\Programs\Python\Python38-32\python.exe "C:/Users/asus/PycharmProjects/coba/soal 1 dinda.py"
masukkan nilai n =4
1111
1001
1001
1111
```

Program 2 :

```
n=int(input("masukkan nilai n ="))
simpan = []
f=0
if (n==0) :
    print(0)
else :
    while n>0 :
        m=n%2
        n=n//2
        simpan.append(m)
        f+=1

    for i in range (f-1,-1,-1)  :
        print(simpan[i],end="")
```

Hasil No. 2 :

```
C:\Users\asus\AppData\Local\Programs\Python\Python38-32\python.exe "C:/Users/asus/PycharmProjects/coba/soal 2 dinda.py"
masukkan nilai n =4
100
Process finished with exit code 0
```

Program 3 :

```
n=int(input("masukkan nim = "))
m=n
tanda=n//10000000000
print("Angkatan ke-",tanda)
for i in range (0,4):
```

```
    jurusan=n%10
    n=n//10
if jurusan == 1 :
    print("Jurusan Sistem Informasi")
elif jurusan == 2 :
    print("Jurusan Teknologi Informasi")
else :
    print("Jurusan Informatika")

m=m%10
if m%2==0 :
    print("NIM Genap")
else :
    print("NIM Ganjil")
```

Hasil No. 3 :

```
C:\Users\asus\AppData\Local\Programs\Python\Python38-32\python.exe "C:/Users/asus/PycharmProjects/coba/soal 3 dinda.py"
 masukkan nim = 192410101078
 Angkatan ke- 19
 Jurusan Sistem Informasi
 NIM Genap
```

Program 4 dan Hasil :

Program 5 :

```
n=str(input("Masukkan Kata = "))
print(n.swapcase())
```

Hasil No. 5 :

```
C:\Users\asus\AppData\Local\Programs\Python\Python38-32\python.exe "C:/Users/asus/PycharmProjects/coba/soal 5 dinda.py"
 Masukkan Kata = DinDa ALaY
 dINdA alAy
```

Program Pengganti :

```
n=str(input("Masukkan Tulisan = "))
m= list(n)

for i in m :
    print(i)
```

Hasil Program Pengganti :

```
C:\Users\asus\AppData\Local\Programs\Python\Python38-32\python.exe "C:/Users/asus/PycharmProjects/coba/soal 6 dinda.py"
Masukkan Tulisan = Hello World
H
e
l
l
o

W
o
r
l
d
```