```
1)
n=int(input("Enter the number of rows: "))
k=1
for i in range(1,n+1):
  for j in range(1,i+1):
    print(k, end=' ')
    k=k+1;
  print()
Enter the number of rows: 5
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
2)
n=int(input("Enter the number: "))
if n%6==0:
  print("Divisible by 6")
else:
  print("Not Divisible by 6")
Enter the number: 12
Divisible by 6
3)
n=int(input("Enter the number: "))
for i in range(1,11):
  print(i,'*',n,'=',i*n)
```

```
Enter the number: 5
1 * 5 = 5
2 * 5 = 10
3*5 = 15
4*5 = 20
5 * 5 = 25
6 * 5 = 30
7 * 5 = 35
8*5 = 40
9*5 = 45
10 * 5 = 50
4)
n=int(input("Enter the number: "))
count=0
while (n>0):
  r=n%10
  if r\% 2 == 0:
     count = count + 1
  n=n//10
print(count)
Enter the number: 456
5)
n=int(input("Enter the number: "))
t=n
count=0
while(n>0):
  r=n%10
  count = count + 1
```

```
n=n//10
rev=0
while(t>0):
  r=t\%10
  count=count-1
  rev=rev+r*(10**count)
  t = t//10
print(rev)
Enter the number: 45678
87654
6)
n=int(input("Enter the number: "))
count=0
dec=0
while (n>0):
  r=n%10
  dec=dec+r*(2**count)
  count=count+1
  n=n//10
print(dec)
Enter the number: 1111
15
7)
n=int(input("Enter the number of rows: "))
```

```
for i in range(1,n+1):
  if(i%2==1):
     for j in range(1,i+1):
       print(i*j, end=" ")
  else:
     for j in range(1,i+1):
       if(j\%2==1):
          print("*", end=" ")
       else:
          print("+", end=" ")
  print()
Enter the number of rows: 7
5 10 15 20 25
7 14 21 28 35 42 49
8)
a,b,c=0,1,1
print(a,end=" ")
print(b,end=" ")
print(c,end=" ")
val=a+b+c
while(val<100):
  print(val,end=" ")
  a=b
```

```
b=c
  c=val
  val=a+b+c
0 1 1 2 4 7 13 24 44 81
9)
n=int(input("Enter the number: "))
sum=0
while(n>0):
  r=n\%10
  if r\%2 == 1:
     sum+=r
  n=n//10
print(sum)
Enter the number: 345671
16
10)
n=int(input('Enter the value of n: '))
for i in range(n):
  print(i+1,end=' ')
  a,b,c,x = 2,3,4,input('Enter expression:')
  print('Evaluated as',eval(x)) if eval(x)%2==0 else print('Evaluated to odd number')
Enter the value of n: 2
1 Enter expression: 1+a+b+c
Evaluated as 10
2 Enter expression: a**2+b**2+c**a
Evaluated to odd number
```