```python
In [2]:  if True:
             print('Data Science')
```

Data Science

```python
In [6]:  if False:
             print('Data Science')
         print('Bye for now')
```

Bye for now

```python
In [7]:  if True:
             print('Data Science')
         else:
             print('Bye for now')
```

Data Science

```python
In [8]:  if False:
             print('Data Science')
         else:
             print('Bye for now')
```

Bye for now

Write a program to print even number

```python
In [9]:  x=4
         r=x%2
         if r==0:
             print('Even Number')
```

Even Number

```python
In [10]:  x=5
          r=x%2
          if r==0:
              print('Even Number')
          if r==1:
              print('Odd Number')
```

Odd Number

```python
In [12]:  x=5
          r=x%2
          if r== 0:
              print('Even Number')
          else:
              print('Odd Number')
```

Odd Number

```python
In [13]:  x=4
          if x==1:
              print('One')
          if x==2:
```

```python
    print('Two')
if x==3:
    print('Three')
if x==4:
    print('Four')
```

Four

Nested Loop

In [16]:
```python
x=3
r= x%2
if r==0:
    print('Even Number')
if r==0:
   print('greater number')
else:
    print('Odd Number')
```

Odd Number

In [19]:
```python
x = 4
r = x % 2
if r == 0:
        print('Even Number')
if x > 5:
     print('greater number')
else:
    print('Odd Number')
```

Even Number
Odd Number

In [34]:
```python
x=4
r=x%2
if r==0:
    print('Even Number')
    if x>5:
        print('greater n umber')
else:
    print('Number is lesser number')
```

Even Number

In [35]:
```python
x=6
r=x%2
if r==0:
    print('Even number')
    if x>5:
        print('greater number')
else:
    print('Odd number')
```

Even number
greater number

In [37]:
```python
x = 4
if (x == 1):
    print('One')
elif (x == 2):
    print('Two')
elif (x == 3):
    print('Three')
elif (x == 4):
    print('Four')
```

Four

In [38]:
```python
if (x == 1):
    print('One')
elif (x == 2):
    print('Two')
elif (x == 3):
    print('Three')
elif (x == 4):
    print('Four')
else:
    print('Number not found')
```

Four

In [39]:
```python
print('Data Science')
print('Data Science')
print('Data Science')
print('Data Science')
print('Data Science')
```

Data Science
Data Science
Data Science
Data Science
Data Science

In [42]:
```python
i = 5
while i >= 1:
    print("Data Science")
    i = i-1
```

Data Science
Data Science
Data Science
Data Science
Data Science

In [52]:
```python
i=1
while i<=5:
    print('Data Science: ',i)
    j=1
    while j<=4:
        print('Technology')
        j=j+1
```

```
    i = i+1
```

```
Data Science:  1
Technology
Technology
Technology
Technology
Data Science:  2
Technology
Technology
Technology
Technology
Data Science:  3
Technology
Technology
Technology
Technology
Data Science:  4
Technology
Technology
Technology
Technology
Data Science:  5
Technology
Technology
Technology
Technology
```

In [54]:
```python
i=1
while i<=5:
    print('Data Science: ',end='')
    j=1
    while j<=4:
        print('Technology',end='')
        j=j+1
        i=i+1
        print()
```

```
Data Science: Technology
Technology
Technology
Technology
Data Science: Technology
Technology
Technology
Technology
```