F - Strings

In [1]:

```
a = 10
b = 20
value = f"{a}"
print(value)
```

```
10
```

In [2]:

```
a = 10
b = 20
value = f"{a} {b}  {a}"
print(value)
```

```
10 20  10
```

- **variable name, integers and Mathematical calculation are written in {curly bracket}**

In [3]:

```
num = 15
print(f"{num}")
print(f"{num:d}")
print(f"{num:5d}")
print(f"{num:+5d}")
print(f"{num:<5d}")
print(f"{num:*<5d}")
print(f"{num:*>5d}")
print(f"{num:^5d}")
print(f"{num:*^5d}")
```

```
15
15
   15
  +15
15
15***
***15
 15
*15**
```

In [4]:

```
num = 15.65
num = 15.65123456789
print(f"{num}")
print(f"{num:f}")
print(f"{num:8f}")
print(f"{num:.20f}")
print(f"{num:8.3f}")
print(f"{num:+8.3f}")
print(f"{num:<8.2f}")
print(f"{num:*<8.2f}")
print(f"{num:*>8.2f}")
print(f"{num:^8.2f}")
print(f"{num:*^8.2f}")
```

```
15.65123456789
15.651235
15.651235
15.65123456789000044864
  15.651
```

```
 +15.651
15.65
15.65***
***15.65
 15.65
*15.65**
```

In [5]:

```
num = "aadil"
print(f"{num}")
print(f"{num:s}")
print(f"{num:8s}")
print(f"{num:<8}")
print(f"{num:*<8}")
print(f"{num:>8}")
print(f"{num:*>8s}")
print(f"{num:^8s}")
print(f"{num:$^8s}")
```

```
aadil
aadil
aadil
aadil
aadil***
   aadil
***aadil
 aadil
$aadil$$
```

In [6]:

```
num = "GeekyShows"
print(f"{num:.3s}")
print(f"{num:8.3s}")
print(f"{num:*<8.3s}")
print(f"{num:>8.3s}")
print(f"{num:*>8.3s}")
print(f"{num:^8.3s}")
print(f"{num:*^8.3s}")
```

```
Gee
Gee
Gee*****
     Gee
*****Gee
  Gee
**Gee***
```

---

seperator

In [7]:

```
price = 1234567890
print(f'{price:,}')
```

```
1,234,567,890
```

In [8]:

```
price = 1234567890
print(f'{price:_}')
```

```
1_234_567_890
```

In [9]:

```
a = "Aadil"
b = 22
print(f"My name is {a} and my age is {b}")
```

```
My name is Aadil and my age is 22
```

In [11]:

```
print(f"{10*8}")
```

```
80
```

In [12]:

```
a = 50
b = 3
print(f"{a/b:.2}")
```

```
1.7e+01
```

In [13]:

```
a = 50
b = 3
print(f"{a/b:.2%}")
```

```
1666.67%
```

In [15]:

```
value = (10,20)
print(f"{value[0]}  {value[1]}")
print(f"{value[1]}  {value[0]}")
```

```
10  20
20  10
```

In [16]:

```
data = {'rahul':20000, "sonam":3000}
print(f"{data['rahul']:d} {data['sonam']:d}")
```

```
20000 3000
```

In [17]:

```
name = "aadil"
print(f"{name}")
```

```
aadil
```

In [18]:

```
name = "aadil"
print(f"{name.upper()}")
```

```
AADIL
```

In [19]:

```
print(f"{{10}}")
```

```
{10}
```

In [20]:

```
from datetime import datetime
today = datetime(2020,10,10)
print(f"{today}")
```

```
2020-10-10 00:00:00
```

In [21]:

```
from datetime import datetime
today = datetime(2020,10,10)
print(f"{today:%d-%b-%Y}")
```

```
10-Oct-2020
```

In [22]:

```
from datetime import datetime
today = datetime(2020,10,10)
print(f"{today:%d/%b/%Y}")
```

```
10/Oct/2020
```

In [23]:

```
from datetime import datetime
today = datetime(2020,10,10)
print(f"{today:%d,%b,%Y}")
```

```
10,Oct,2020
```