

px (Padding X-axis)

- **Left + Right padding**

```
<div class="px-4">Content</div>
```

→ Left aur right dono taraf padding lagegi

py (Padding Y-axis)

- **Top + Bottom padding**

```
<div class="py-2">Content</div>
```

```
<div class="py-2">Content</div>
```

→ Upar aur niche padding lagegi

Class	Meaning
pt-4	padding-top
pb-2	padding-bottom
pl-3	padding-left
pr-5	padding-right

```
<div class="ml-4">Box</div>
```

→ Left side se gap

◆ mr – Margin Right

```
<div class="mr-2">Box</div>
```

→ Right side se gap

◆ **mt** – Margin Top

```
<div class="mt-6">Box</div>
```

→ Upar se gap

◆ **mb** – Margin Bottom

```
<div class="mb-3">Box</div>
```

→ Niche se gap

```
<div class="mt-4 mb-2 ml-6 mr-6">  
    Product Card  
</div>
```

Upar: 4

👉 Niche: 2

👉 Left: 6

👉 Right: 6

Class	Meaning
mx-4	left + right margin
my-6	top + bottom margin

s

mx-4 left + right margin

my-6 top + bottom margin

```
<div class="flex justify-center">  
    Items  
</div>
```

→ Saare items **center** me aa jaate hain

```
<div class="flex justify-evenly">  
    Items  
</div>
```

→ Items ke beech **equal space**, aur edges par bhi equal space

flex-row → **Left ↔ Right**

flex-col → **Top ↑ Bottom**

justify-content: flex-start;

👉 Sab items start side par chipak jaate hain



Koi extra space items ke beech **nahi**

Saari khaali jagah **end side** me chali jaati hai
justify-content: flex-end;

👉 Sab items end side par chipak jaate hain



Extra space **start side** me hota hai

Items right side (ya bottom) me

justify-content: space-between;

Pehla item start, last item end

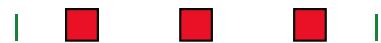


Logic:

- **Edges par space nahi hota**
- **Sirf items ke beech gap**
- First aur last bilkul corner pe

justify-content: space-around;

Har item ke 4 taraf space

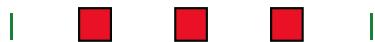


items ke left & right **half-half space**

Edge ka space **beech ke space ka aadha**

justify-content: space-evenly;

Har jagah equal space



Class Short logic

start Sab start me

end Sab end me

between Beech me space, edge
n tight

around Edges me aadha space

evenly Har jagah barabar

```
<div class="flex justify-start border p-4">  
  <div class="box">A</div>  
  <div class="box">B</div>  
  <div class="box">C</div>  
</div>
```



Sab items **left side** me chipke hue

👉 Right side khaali space

```
<div class="flex justify-end border p-4">
```



👉 Sab items **right side** me

```
<div class="flex justify-between border p-4">
```



A bilkul left

C bilkul right

B beech me

Edges par space nahi

```
<div class="flex justify-around border p-4">
```

```
| A B C |
```

Har item ke left/right thoda space

Edge ka space **aadha hota hai**

```
<div class="flex justify-evenly border p-4">
```

```
| A B C |
```

Left, right, beech sab jagah **equal space**

Clean & balanced UI

```
<nav class="flex justify-between items-center px-6 py-4">
  <h1>Logo</h1>
  <ul class="flex gap-4">
    <li>Home</li>
    <li>Shop</li>
    <li>Cart</li>
  </ul>
</nav>
```

Logo Home Shop Cart

UI Need	Use
Left align	<code>justify-start</code>
Right align	<code>justify-end</code>
Navbar	<code>justify-between</code>
Equal gaps	<code>justify-every</code>
Loose spacing	<code>justify-around</code>

```
<div class="flex justify-center border p-4">  
  <div class="box">A</div>  
  <div class="box">B</div>  
</div>
```

| A B |

👉 Items **left-right ke beech (center)** me aa jaate hain

```
<div class="flex items-center h-32 border">  
  <div class="box">A</div>  
</div>
```

tem **upar-niche ke beech** me

```
<div class="flex justify-center items-center h-32 border">  
  <div class="box">A</div>  
</div>
```

Direction Tailwind

Left-Right **justify-cen
ter**

Top-Bottom **items-cente
r**

flex-direction: row;

Main-axis = Left ↔ Right

👉 **Cross-axis = Top ↑ Bottom**

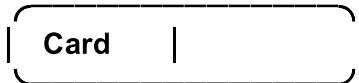
```
<div class="flex flex-col items-center">  
  <div>A</div>  
  <div>B</div>  
</div>
```

| A |
| B |

**Layout Main-axis Center
 class**

```
flex-r Left ← justify-*  
ow Right  
  
flex-r Top ↑ items-*  
ow Bottom  
  
flex-c Top ↓ justify-*  
ol Bottom  
  
flex-c Left ← items-*  
ol Right
```

```
<div class="rounded-xl border p-4">  
Card  
</div>
```



rounded = thoda gol

rounded-lg = aur zyada gol

rounded-xl = zyada smooth / modern curve

rounded-2xl = aur zyada gol

rounded-full = circle / pill

```
<div class="bg-white rounded-xl shadow-md p-6">  
Product Card  
</div>
```

Smooth rounded corners

Light shadow

Professional / modern look

rounded-xl → corner gol

shadow-md → neeche halki chhaya

```
<div class="p-4 border">  
Text  
</div>
```

Top padding

Bottom padding

Left

Right

चारों side same padding

Clas Kaam
s

p-2 chhota gap

p-4 normal gap

p-6 zyada gap

px-4 left + right

py-4 top +
bottom

```
<div class="p-1">...</div>  
<div class="p-2">...</div>
```

Clas Gap
s

p-1 4px

p-2 8px

p-3 12p
x

```
<div class="mt-1 mb-2">...</div>
```

Clas Gap
s

m-1 4px

m-2 8px

```
<div class="flex gap-2">  
  <div>A</div>  
  <div>B</div>  
</div>
```

Clas **Gap**

s

gap- 4px

1

gap- 8px

2

gap- 12px

3 **x**

```
<div class="flex items-center gap-2 p-2 rounded-lg shadow-sm">
  <Icon />
  <span>Profile</span>
</div>
```

Situation	Use
Text & border ke beech	p-1 / p-2
Boxes ke beech	m-1 / m-2
Flex items ke beech	gap-1 / gap-2

```
<p class="text-lg">Normal text</p>
<p class="text-xl">Thoda bada</p>
<p class="text-2xl">Heading jaisa</p>
<p class="text-3xl">Big heading</p>
```

Class	Effect
text-bas	default
e	
text-lg	readabl
e	
text-xl	strong
text-2xl	headin
g	

```
text-3xl hero
      text

<p class="font-medium">Medium</p>
<p class="font-semibold">Semi Bold</p>
<p class="font-bold">Bold</p>

<p class="text-gray-600">Soft text</p>
<p class="text-gray-800">Dark text</p>
<p class="text-black">Strong text</p>
```

Class	Effect
leading-snug	tight
leading-norm	normal
al	
leading-relax	readabl ed
	e
<h1 class="tracking-wide">Heading</h1>	

Class	Use
tracking-tig ht	compa ct
tracking-wi de	classy
<h2 class="text-2xl font-semibold text-gray-800 tracking-wide"> Product Details </h2>	
<p class="text-base text-gray-600 leading-relaxed mt-2"> This product is made with high quality materials. </p>	

Heading → clean & strong

Paragraph → readable & soft

Overall → professional UI

```
<p class="leading-relaxed">
  This is line one
  This is line two
```

```
</p>
```

Line one
← thoda gap →
Line two

Class	Effect
leading-tight	lines chipki hui
leading-norm	default al
leading-relax	readable ed
leading-loos	zyada airy e

```
<h1 class="tracking-wide">HEADING</h1>
```

H E A D I N G

```
<form class="flex flex-col gap-4">  
  <input  
    type="text"  
    placeholder="Name"  
    class="border rounded-md p-2"  
  />  
  
  <input  
    type="email"  
    placeholder="Email"  
    class="border rounded-md p-2"  
  />  
  
  <input  
    type="password"  
    placeholder="Password"  
    class="border rounded-md p-2"  
  />  
</form>
```

[Name]

↓ gap

[Email]

↓ gap

[Password]

Sab inputs line-wise (top → bottom)

👉 Har field ke beech equal gap

```
<div class="flex justify-center items-center min-h-screen">
  <form class="w-full max-w-sm bg-white p-6 rounded-xl shadow-md flex flex-col
  gap-4">
    <h2 class="text-2xl font-semibold text-center">Register</h2>

    <input class="border rounded-md p-2" placeholder="Name" />
    <input class="border rounded-md p-2" placeholder="Email" />
    <input class="border rounded-md p-2" placeholder="Password" />

    <button class="bg-blue-600 text-white py-2 rounded-md">
      Register
    </button>
  </form>
</div>
```

Kaam

Tailwind

Line-wise **flex flex-col**

Gap between **gap-4**
fields

Inside spacing **p-2**

Clean look **rounded-md**
shadow

[Name]

↓ (gap-4)

[Email]

↓ (gap-4)

[Password]

```
<form class="flex flex-col gap-4">
  <input placeholder="Name" />
  <input placeholder="Email" />
  <input placeholder="Password" />
</form>
```

```
<div class="flex justify-center items-center">
```

Form ko screen ke centre me lana

Layout control (center)

```
<form class="flex flex-col gap-4">
```

puts ko line-by-line (top → bottom) rakhna

Unke beech gap dena

```
flex-direction: row;
```

👉 **Items left → right**

```
<div class="flex flex-col">
```

👉 **Items top → bottom**

```
<div class="flex gap-4">
<input />
<input />
</div>
```

[Name] [Email]

```
<div class="flex flex-col gap-4">
```

[Name]



[Email]

Class Kaam

flex Flexbox ON

flex-col Upar → Niche

**flex-ro Left → Right
w (default)**

```
form class="flex flex-col gap-4">
```

Ye form ke andar ke fields ko arrange karta hai

flex-col ka matlab: inputs ko top → bottom line-wise rakhna

gap-4 = inputs ke beech proper spacin