

**Table[1, {10}]**

{1, 1, 1, 1, 1, 1, 1, 1, 1, 1}

**Table[i, {i, 10}]**

{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

**Table[i, {i, -2, 10}]**

{-2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

**Table[i, {i, 2, 10}]**

{2, 3, 4, 5, 6, 7, 8, 9, 10}

**Table[i, {i, -2, 10, 3}]**

{-2, 1, 4, 7, 10}

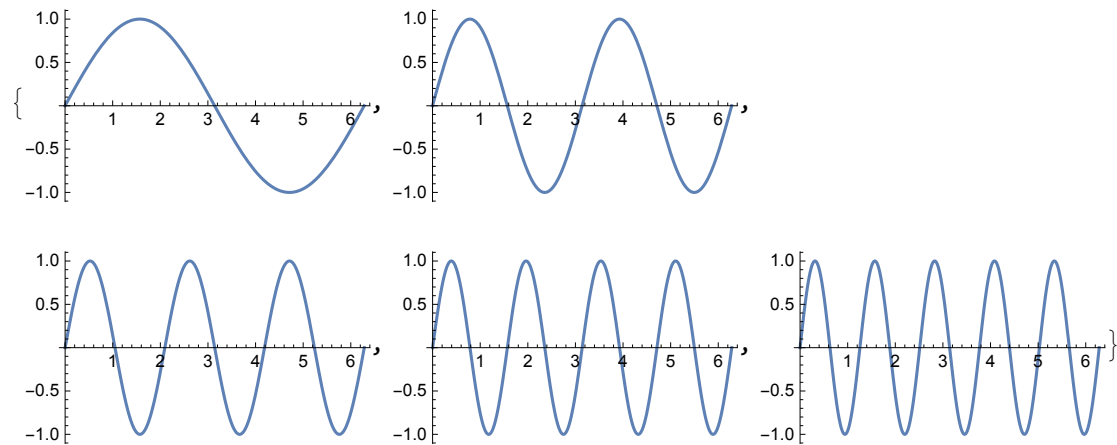
**tab2 = Table[i^j, {i, 1, 10}, {j, 3}]**

{{1, 1, 1}, {2, 4, 8}, {3, 9, 27}, {4, 16, 64}, {5, 25, 125},  
{6, 36, 216}, {7, 49, 343}, {8, 64, 512}, {9, 81, 729}, {10, 100, 1000}}

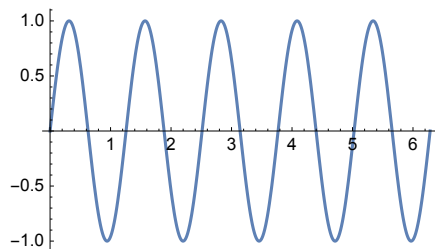
**tab2[[4]][[2]]**

16

**tab1 = Table[Plot[Sin[a x], {x, 0, 2 Pi}], {a, 5}]**



**tab1[[5]]**



**a \* Table[i, {i, 10}]**

{a, 2 a, 3 a, 4 a, 5 a, 6 a, 7 a, 8 a, 9 a, 10 a}

```

tab2 = Table[i^j, {i, 1, 4}, {j, 3}]
MatrixForm[tab2]
Flatten[tab2]
{{1, 1, 1}, {2, 4, 8}, {3, 9, 27}, {4, 16, 64}}

```

$$\begin{pmatrix} 1 & 1 & 1 \\ 2 & 4 & 8 \\ 3 & 9 & 27 \\ 4 & 16 & 64 \end{pmatrix}$$

```

{1, 1, 1, 2, 4, 8, 3, 9, 27, 4, 16, 64}

```

```

tab3 = Table[i, {i, 5}]
tab4 = Table[a, {5}]
tab3^tab4

```

```

{1, 2, 3, 4, 5}

```

```

{a, a, a, a, a}

```

```

{1, 2a, 3a, 4a, 5a}

```

```

tab3 * tab4

```

```

{a, 2 a, 3 a, 4 a, 5 a}

```

```

tab3.tab4

```

```

15 a

```

```

tab3 + tab4

```

```

{1 + a, 2 + a, 3 + a, 4 + a, 5 + a}

```

```

tab3 = Table[i, {i, 5}]
Length[tab3]
Prepend[tab3, zz]
Append[tab3, zz]
Insert[tab3, zz, 3]
Riffle[tab3, zz]
Riffle[tab3, {a, b, c, d, e}]
Join[tab3, {a, b, c, d, e}]
Partition[tab3, 2]
Max[tab3]
Min[tab3]
Total[tab3]
Drop[tab3, 3]
{1, 2, 3, 4, 5}

5

{zz, 1, 2, 3, 4, 5}
{1, 2, 3, 4, 5, zz}
{1, 2, zz, 3, 4, 5}
{1, zz, 2, zz, 3, zz, 4, zz, 5}
{1, a, 2, b, 3, c, 4, d, 5, e}
{1, 2, 3, 4, 5, a, b, c, d, e}
{{1, 2}, {3, 4}}

5

1

15

{4, 5}

tab1 = Table[i, {i, 10}]
Drop[tab1, {3}]
Drop[tab1, {3, 5}]
Partition[tab1, 2]
Select[tab1, EvenQ]
Select[tab1, OddQ]
tab2 = Join[{a, b, c, d}, tab1]
{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}
{1, 2, 4, 5, 6, 7, 8, 9, 10}
{1, 2, 6, 7, 8, 9, 10}
{{1, 2}, {3, 4}, {5, 6}, {7, 8}, {9, 10}}
{2, 4, 6, 8, 10}
{1, 3, 5, 7, 9}
{a, b, c, d, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

```

```
Select[tab2, NumberQ]
```

```
{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}
```

```
Table[tab2[[i]], {i, 2, 14, 2}]
```

```
{b, d, 2, 4, 6, 8, 10}
```

```
Cases[tab2, _? (# > 4 &)]
```

```
{5, 6, 7, 8, 9, 10}
```