



1. WAP to print a Multiplication Table.



C Online Compiler

Learn C App

	<div>main.c</div> <div><div><div></div><div></div><div></div></div><div>Run</div></div> <pre>1 #include &lt;stdio.h&gt; 2 int main() { 3     /* gwapo si Klyde */ 4     int n, i; 5     printf("Enter an integer: "); 6     scanf("%d", &amp;n); 7     for (i = 1; i &lt;= 1000; ++i) { 8         printf("%d * %d = %d \n", n, i, n * i); 9     } 10    return 0; 11 }</pre>	<div>Output</div> <div>Clear</div> <pre>/tmp/G1uB5N2POG.o Enter an integer: 1 1 * 1 = 1 1 * 2 = 2 1 * 3 = 3 1 * 4 = 4 1 * 5 = 5 1 * 6 = 6 1 * 7 = 7 1 * 8 = 8 1 * 9 = 9 1 * 10 = 10 1 * 11 = 11 1 * 12 = 12 1 * 13 = 13 1 * 14 = 14 1 * 15 = 15 1 * 16 = 16 1 * 17 = 17 1 * 18 = 18 1 * 19 = 19</pre>
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```
#include <stdio.h>

int main() {

    /* gwapo si Klyde */

    int n, i;

    printf("Enter an integer: ");

    scanf("%d", &n);

    for (i = 1; i <= 1000; ++i) {

        printf("%d * %d = %d \n", n, i, n * i);

    }

    return 0;

}
```

## 2. WAP to find the LCM of two numbers.

main.c		Output
<pre>1 #include &lt;stdio.h&gt; 2 int main() { 3     /* gwapo si Klyde */ 4     int n1, n2, max; 5     printf("Enter two positive integers: "); 6     scanf("%d %d", &amp;n1, &amp;n2); 7 8     max = (n1 &gt; n2) ? n1 : n2; 9 10    while (1) { 11        if (max % n1 == 0 &amp;&amp; max % n2 == 0) { 12            printf("The LCM of %d and %d is %d.", n1, n2, max); 13            break; 14        } 15        ++max; 16    } 17    return 0; 18 }</pre>	<pre>/tmp/G1uB5N2P0G.o Enter two positive integers: 69 96 The LCM of 69 and 96 is 2208.</pre>	

```
#include <stdio.h>

int main() {

/* gwapo si Klyde */

    int n1, n2, max;

    printf("Enter two positive integers: ");

    scanf("%d %d", &n1, &n2);

    max = (n1 > n2) ? n1 : n2;

    while (1) {

        if (max % n1 == 0 && max % n2 == 0) {

            printf("The LCM of %d and %d is %d.", n1, n2, max);

            break;

        }

        ++max;

    }

    return 0;

}
```

### 3. WAP to find the GCD of two numbers.

main.c		Output
<pre>1 #include &lt;stdio.h&gt; 2 int main() 3 /* gwapo si Klyde */ 4 { 5     int n1, n2, i, gcd; 6     printf("Enter two integers: "); 7     scanf("%d %d", &amp;n1, &amp;n2); 8     for(i=1; i &lt;= n1 &amp;&amp; i &lt;= n2; ++i) 9     { 10         if(n1%i==0 &amp;&amp; n2%i==0) 11             gcd = i; 12     } 13     printf("G.C.D of %d and %d is %d", n1, n2, gcd); 14 15     return 0; 16 } 17</pre>	<pre>/tmp/G1uB5N2P0G.o Enter two integers: 69 96 G.C.D of 69 and 96 is 3</pre>	

```
#include <stdio.h>

int main()

/* gwapo si Klyde */

{

    int n1, n2, i, gcd;

    printf("Enter two integers: ");

    scanf("%d %d", &n1, &n2);

    for(i=1; i <= n1 && i <= n2; ++i)

    {

        if(n1%i==0 && n2%i==0)

            gcd = i;

    }

    printf("G.C.D of %d and %d is %d", n1, n2, gcd);

    return 0;

}
```

4. WAP to print the following output. N is the input from the user for how many rows to print.

main.c		Output
<pre>1 #include &lt;stdio.h&gt; 2 int main() { 3     /* gwapo si Klyde */ 4     int i, j, rows; 5     printf("Enter the number of rows: "); 6     scanf("%d", &amp;rows); 7     for (i = 1; i &lt;= rows; ++i) { 8         for (j = 1; j &lt;= i; ++j) { 9             printf("%d ", j); 10        } 11        printf("\n"); 12    } 13    return 0; 14 }</pre>	<pre>/tmp/G1uB5N2P0G.o Enter the number of rows: 5 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5</pre>	

```
#include <stdio.h>
```

```
int main() {
```

```
/* gwapo si Klyde */
```

```
int i, j, rows;
```

```
printf("Enter the number of rows: ");
```

```
scanf("%d", &rows);
```

```
for (i = 1; i <= rows; ++i) {
```

```
    for (j = 1; j <= i; ++j) {
```

```
        printf("%d ", j);
```

```
    }
```

```
    printf("\n");
```

```
}
```

```
return 0;
```

```
}
```