

Assignment 5 (Looping and repetition)

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```
#include <stdio.h>
int main()
{
   int count=1;
   while (count <= 4)
   {
      printf("%d ", count);
      count++;
   }
   return 0;
}</pre>
```



```
#include <stdio.h>
int main()
  int num, count, sum = 0;
  printf("Enter a positive integer: ");
  scanf("%d", &num);
  for(count = 1; count <= num; ++count)</pre>
     sum += count;
  printf("Sum = %d", sum);
  return 0;
```



```
#include <stdio.h>
int main()
{
   int i;
   int j;
   for (i=0; i<2; i++)
   {
      for (j=0; j<4; j++)
      {
       printf("%d, %d\n", i, j);
      }
   }
   return 0;
}</pre>
```

```
#include <stdio.h>
int main()
{
   int i,j;
   for (i=1, j=1 ; i<3 || j<5 ; i++, j++)
   {
      printf("%d, %d\n",i ,j);
   }
   return 0;
}</pre>
```

```
#include <stdio.h>
int main()
{
    int answer = 41;
    int guess;
    int tries = 0;
    do{
        printf("guess the answer: ");
        scanf("%d", &guess);
        tries++;
        if(guess > answer)
             printf("the number is higher than answer\n");
        if(guess < answer)</pre>
            printf("the number is lower than answer\n");
    }while (guess != answer);
    printf("tries = %d\n", tries);
    return 0;
```



Write a program showing the following output



Write a program showing the following output



 When given number n, fill in the blank to print numbers 1 to n.

```
#include <stdio.h>
int main()
{
   int n;
   scanf("%d", &n);

   Blank

return 0;
}
```

• output (If input is 40)

```
1
2
...
40
```



• When given number n, fill in the blank to print numbers n to zero.

```
#include <stdio.h>
int main()
{
   int n;
   scanf("%d", &n);

   Blank

return 0;
}
```

• output (If input is 40)

```
40
39
...
0
```



 When given number, fill in the blank to print a number's multiplication table.

```
#include <stdio.h>
int main()
{
   int n;
   scanf("%d", &n);

   Blank

return 0;
}
```

• output (If input is 4)

```
4 * 1 = 4

4 * 2 = 8

...

4 * 9 = 36
```

