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```
#include <iostream>
#include<stdio.h>
#include<stdlib.h>
#include<math.h>
using namespace std;
int main()
{
    int i, j;
    int a = 1;
    int b = 10;
    printf("  ");
    for (i = a; i <= b; i++)
        printf("%4d", i);
    for (int i = a; i <= b; i++) {

        printf("\n");
        printf("%4d", i);
        for (int j = 1; j <= b; j++)
            printf("%4d", i * j);
    }
    printf("\n");
    i = a;
    do {
        printf("\n%4d", i);
        i++;
    } while (i <= b);

    return 0;
}
```