REC-CIS

▲ MADHUJA BA 2024-CSE M2 ⌄

Week-06-Decision Making and Looping - for

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Answer: (penalty regime: 0 %)

```
1  #include<stdio.h>
2  int main()
3  {
4      int n;
5      scanf("%d",&n);
6      for(int i=1; i<=10; i++){
7          printf("%d x %d = %d\n",n, i, n*i);
8      }
9  }
```

	Input	Expected	Got	
✓	2	2 x 1 = 2	2 x 1 = 2	✓
		2 x 2 = 4	2 x 2 = 4	
		2 x 3 = 6	2 x 3 = 6	
		2 x 4 = 8	2 x 4 = 8	
		2 x 5 = 10	2 x 5 = 10	
		2 x 6 = 12	2 x 6 = 12	
		2 x 7 = 14	2 x 7 = 14	

	Input	Expected	Got	
✓	2	2 x 1 = 2 2 x 2 = 4 2 x 3 = 6 2 x 4 = 8 2 x 5 = 10 2 x 6 = 12 2 x 7 = 14 2 x 8 = 16 2 x 9 = 18 2 x 10 = 20	2 x 1 = 2 2 x 2 = 4 2 x 3 = 6 2 x 4 = 8 2 x 5 = 10 2 x 6 = 12 2 x 7 = 14 2 x 8 = 16 2 x 9 = 18 2 x 10 = 20	✓

Passed all tests! ✓

```
2  int main(){
3      long long int n,t,i,nut=0;
4      scanf("%lld %lld",&n,&t);
5      for(i = 1;i<=n;i++){
6          nut+=i;
7          if(nut==t){
8              nut-=1;
9          }
10     }
11     printf("%lld",nut % 1000000007);
12 }
```

	Input	Expected	Got	
✓	2 2	3	3	✓
✓	2 1	2	2	✓
✓	3 3	5	5	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main() {
        long n;
        int p;
        scanf("%ld %d",&n,&p);
        long factors[100000];
        int count=0;
        for(long i=1;i*i<=n;i++){
            if(n%i==0){
                factors[count++] =i;
                if(i!=n/i){
                    factors[count++]=n/i;

                }
            }
        }
        for(int i=0;i<count-1;i++){
            for(int j=i+1;j<count;j++){
                if (factors[i]>factors[j]){
                    long temp = factors[i];
                    factors[i]=factors[j];
                    factors[j]=temp;
                }
            }
        }
        if(p>count){
            printf("0");

        }
        else{
            printf("%ld",factors[p-1]);
        }
}
```

	Input	Expected	Got	
✓	10 3	5	5	✓
✓	10 5	0	0	✓
✓	1 1	1	1	✓

Passed all tests! ✓

Finish review