



```

1  #include<stdio.h>
2  void cb(int size,char start)
3  {
4      char square[]={start,(sta
5      for(int i=0; i<size; i++)
6      {
7          for(int j=0; j<size;
8          {
9              printf("%c",suar
10             }
11             printf("\n");
12         }
13     }
14     int main()
15     {
16         int t;
17         scanf("%d",&t);
18         while(t--)
19         {
20             int size;
21             char start;
22             scanf("%d %c",&size,&
23             cb(size,start);
24         }
25         return 0;
26     }

```

| | Input | Expected | Got | |
|---|-------|----------|-----|---|
| ✓ | 2 | WB | WB | ✓ |
| | 2 W | BW | BW | |
| | 3 B | BWB | BWB | |
| | | WBW | WBW | |
| | | BWB | BWB | |

Answer: (penalty regime: 0 %)

```
1  #include<stdio.h>
2  main()
3
4  int t;
5  scanf("%d",&t);
6  for(int x=1; x<=t; x++)
7  {
8      printf("Case #%d\n",x);
9      int n;
10     scanf("%d",&n);
11     int f=1,b=n*(n+1);
12     for(int i=0; i<n; i++)
13     {
14         for(int k=0; k<2*i; k++)
15         {
16             printf("*");
17         }
18         printf("%d",f);
19         f++;
20         for(int j=2; j<=n-i; j++)
21         {
22             printf("0%d",f);
23             f++;
24         }
25         for(int l=b-(n-i)+1; l<=b; l++)
26         {
27             printf("0%d",l);
28         }
29         b-=n-i;
30         printf("\n");
31     }
32 }
33 return 0;
34
```

```
25         for(int l=b-(n-i)+1;
26     {
27         printf("0%d",l);
28     }
29     b-=n-i;
30     printf("\n");
31 }
32 }
33 return 0;
34
```

| | Input | Expected |
|---|-------|--------------------------|
| ✓ | 3 | Case #1 |
| | 3 | 10203010011012 |
| | 4 | **4050809 |
| | 5 | ****607 |
| | | Case #2 |
| | | 1020304017018019020 |
| | | **50607014015016 |
| | | ****809012013 |
| | | *****10011 |
| | | Case #3 |
| | | 102030405026027028029030 |
| | | **6070809022023024025 |
| | | ****10011012019020021 |
| | | *****13014017018 |
| | | *****15016 |

Passed all tests! ✓

Finish review



Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<math.h>
3 int main()
4 {
5     int n,t,s=0,r,digits=0;
6     scanf("%d",&n);
7     t=n;
8     while(t>0)
9     {
10         t/=10;
11         digits++;
12     }
13     t=n;
14     while(t>0)
15     {
16         r=t%10;
17         s+=pow(r, digits);
18         t/=10;
19     }
20     if(s==n)
21         printf("true");
22     else
23         printf("false");
24     return 0;
25 }
```

| | Input | Expected | Got | |
|---|-------|----------|-------|---|
| ✓ | 153 | true | true | ✓ |
| ✓ | 123 | false | false | ✓ |

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 long long reverse(long long n
3 {
4     long long reversed=0;
5     while(num!=0)
6     {
7         reversed=reversed*10+
8         num/=10;
9     }
10    return reversed;
11 }
12 int isPalindrome(long long nu
13 {
14     return num==reverse(num);
15 }
16 int main()
17 {
18     long long num;
19     scanf("%lld",&num);
20     while(!isPalindrome(num))
21     {
22         num+=reverse(num);
23     }
24     printf("%lld\n",num);
25     return 0;
26 }
27
```

| | Input | Expected | Got | |
|---|-------|----------|-------|---|
| ✓ | 32 | 55 | 55 | ✓ |
| ✓ | 789 | 66066 | 66066 | ✓ |

Your code failed one or more hidden tests.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<stdbool.h>
3 bool isLucky(int num)
4 {
5     while(num>0)
6     {
7         int digit = num%10;
8         if(digit !=3 && digit
9         {
10             return false;
11         }
12         num /= 10;
13     }
14     return true;
15 }
16 int findNthLucky(int n)
17 {
18     int count = 0;
19     int num = 3;
20     while(count<n)
21     {
22         if(isLucky(num))
23         {
24             count++;
25         }
26         num++;
27     }
28     return num-1;
29 }
30 int main()
31 {
32     int n;
33     scanf("%d",&n);
34     printf("%d\n",findNthLuck
35     return 0;
36 }
```

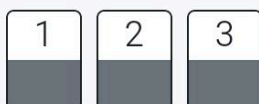
```
24         count++;
25     }
26     num++;
27 }
28 return num-1;
29 }
30 int main()
31 {
32     int n;
33     scanf("%d",&n);
34     printf("%d\n",findNthLuck
35     return 0;
36 }
```

| | Input | Expected | Got | |
|---|-------|----------|-------|---|
| ✓ | 34 | 33344 | 33344 | ✓ |

Passed all tests! ✓

[Finish review](#)

Quiz navigation



Show one page at a time

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Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int number,original_number;
5     scanf("%d",&number);
6     original_number=number;
7     if(number==0)
8     {
9         count = 1;
10    }
11    else
12    {
13        while(number!=0)
14        {
15            number/=10;
16            count++;
17        }
18    }
19    printf("The number %d contains %d digits",original_number,count);
20    return 0;
21 }
```

| | Input | Expected |
|---|-------|-----------------------------|
| ✓ | 3456 | The number 3456 contains 4 |
| ✓ | 30000 | The number 30000 contains 5 |
| ✓ | 57 | The number 57 contains 2 |
| ✓ | 909 | The number 909 contains 3 |

46 cannot be expressed as power of 2.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int isPowerOfTwo(int n)
3 {
4     if(n==0)
5     {
6         return 0;
7     }
8     while(n%2==0){
9         n/=2;
10    }
11    return(n==1);
12 }
13 int main()
14 {
15     int isPowerOfTwoResult =
16     printf("%d\n",isPowerOfTw
17     return 0;
18 }
```

| | Input | Expected |
|---|-------|---------------------------|
| ✗ | 8 | 8 is a number that can be |
| ✗ | 46 | 46 cannot be expressed as |

Some hidden test cases failed, too.
Your code must pass all tests to earn any marks. Try again.

Show differences

6

Output

123456

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,i;
5     long long int term = 1,sum;
6     scanf("%d",&n);
7     for(i=1; i<=n; i++)
8     {
9         sum+=term;
10        term=term*10+1;
11    }
12    printf("%lld\n",sum);
13    return 0;
14 }
```

| | Input | Expected | Got | |
|---|-------|----------|--------|---|
| ✓ | 4 | 1234 | 1234 | ✓ |
| ✓ | 6 | 123456 | 123456 | ✓ |

Your code failed one or more hidden tests.
Your code must pass all tests to earn any marks. Try again.