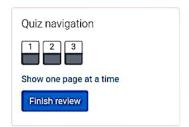
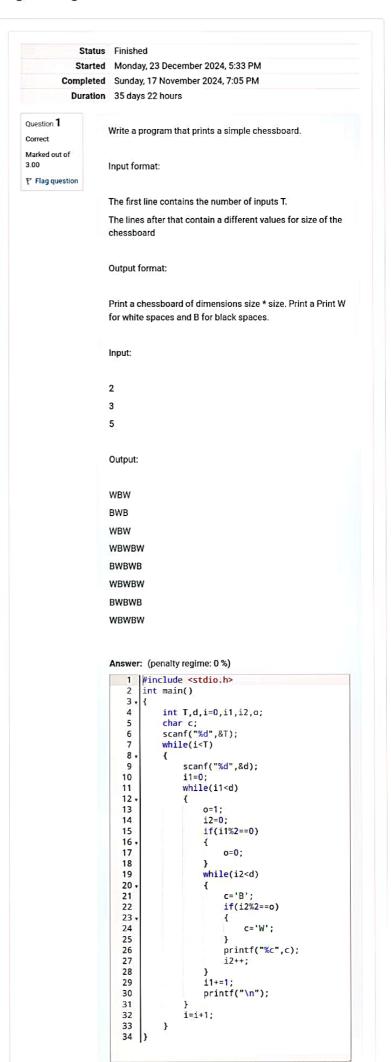
GE23131-Programming Using C-2024





	Input	Expected	Got	
~	2	WBW	WBW	~
	3	BWB	BWB	
	5	WBW	WBW	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
	1 - 6	BWBWB	BWBWB	
		WBWBW	WBWBW	

Question 2
Correct
Marked out of 5.00

P Flag question

Let's print a chessboard!

Write a program that takes input:

The first line contains T, the number of test cases

Each test case contains an integer N and also the starting character of the chessboard

Output Format

Print the chessboard as per the given examples

Sample Input / Output

Input:

2

2 W

3 B

Output:

WB

BW

BWB

WBW

BWB

Answer: (penalty regime: 0 %)

```
Input Expected Got

2 WB WB ✓
2 W BW BW
3 B BWB BWB
WBW WBW
BWB BWB

Passed all tests! ✓
```

```
Question 3
                     Decode the logic and print the Pattern that corresponds to
Correct
                     given input.
Marked out of
7.00
                     If N= 3
F Flag question
                     then pattern will be:
                     10203010011012
                     **4050809
                     ****607
                     If N= 4, then pattern will be:
                      1020304017018019020
                      **50607014015016
                      ****809012013
                      *****10011
                      Constraints
                      2 <= N <= 100
                      Input Format
                      First line contains T, the number of test cases
                      Each test case contains a single integer N
                      Output
                      First line print Case #i where i is the test case number
                      In the subsequent line, print the pattern
                      Test Case 1
                      3
                      3
                      5
                      Output
                      Case #1
                      10203010011012
                      **4050809
                      ****607
                      Case #2
                      1020304017018019020
                      **50607014015016
                      ****809012013
                      *****10011
                      Case #3
                      102030405026027028029030
                      **6070809022023024025
                      ****10011012019020021
                      *****13014017018
                       ******15016
                       Answer: (penalty regime: 0 %)
                           1 |#include <stdio.h>
                           2 • int main(){
                                    main(){
int n,v,p3,c,in,i,i1,i2,t,ti;
scanf("%d",&t);
for(ti=0;ti<t;ti++){
    v=0;
    scanf("%d",&n);
    printf("Case #%d\n",ti+1);
for(i=0:isc,i++){</pre>
                           5 •
6
```

for(i=0;i<n;i++){

c=0; if(i>0){

9

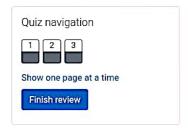
10 11

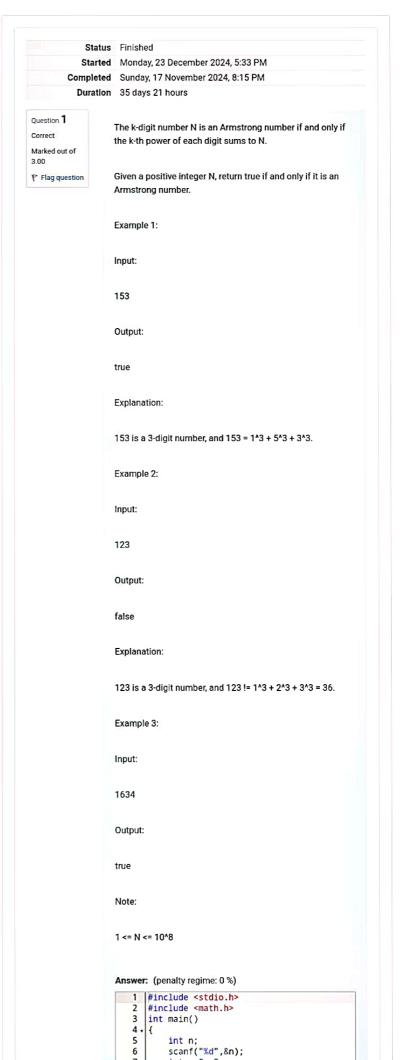
```
Test Case 1
3
4
5
Output
Case #1
10203010011012
**4050809
****607
Case #2
1020304017018019020
**50607014015016
****809012013
*****10011
Case #3
102030405026027028029030
**6070809022023024025
****10011012019020021
*****13014017018
*******15016
Answer: (penalty regime: 0 %)
        #include <stdio.h>
         int main(){
              int n,v,p3,c,in,i,i1,i2,t,ti;
scanf("%d",&t);
for(ti=0;ti<t;ti++){</pre>
    5
    6
                   v=0;
                   scanf("%d",&n);
                   printf("Case #%d\n",ti+1);
for(i=0;i<n;i++){</pre>
    8
    9
   10
                        if(i>0){
   11
                              for(i1=0;i1<i;i1++) print
   12
   13
                   for(i1=i;i1<n;i1++){
   14
                        if(i>0)c++;
printf("%d0",++v);
   15
   16
   17
                   if(i==0){
    p3=v+(v*(v-1))+1;
    in=p3;
   18
19
   20
   21
22
23
                   in=in-c;
                   p3=in;
                   ps-in,
for(i2=i;i2<n;i2++){
    printf("%d",p3++);
    if(i2!=n-1)printf("0");
   24
25
26
   27
                   }printf("\n");
   28
29
   30
```

```
Input Expected
                                       Got
      3
            Case #1
                                       Case #1
            10203010011012
                                       102030100110
            **4050809
                                       **4050809
                                       ****607
            ****607
            Case #2
                                       Case #2
            1020304017018019020
                                       102030401701
            **50607014015016
                                       **5060701401
            ****809012013
                                       ****80901201
            *****10011
                                       *****10011
            Case #3
                                       Case #3
            102030405026027028029030
                                       10203040502€
            **6070809022023024025
                                       **6070809022
            ****10011012019020021
                                       ****10011012
            ******13014017018
*******15016
                                       ******13014C
Passed all tests! ✓
```

Finish review

GE23131-Programming Using C-2024





```
8
            while(n2!=0)
 9
10
11
                  n2=n2/10;
12
13
14
15
            int sum=0;
int n3=n,n4;
while(n3!=0)
16
17
                 n4=n3%10;
sum=sum+pow(n4,x);
n3=n3/10;
18
19
20
21
22
23
            if(n==sum)
24
                  printf("true");
25
26
27
            else
28
                 printf("false");
29
30
            return 0;
```

	Input	Expected	Got	
~	153	true	true	~
~	123	false	false	~

Passed all tests! 🗸

Question 2 Correct Marked out of 5.00 Flag question Take a number, reverse it and add it to the original number until the obtained number is a palindrome. Constraints 1<=num<=99999999 Sample Input 1 32 Sample Output 1 55 Sample Input 2 789 Sample Output 2 66066

```
Jample Jample C

of: (penalty regime: 0 %)

| #include <stdio.h>
| int main()
| 3 - {
| int rn,r |
| 5 | scanfr |
| 6 - | dr |
| 7 | 8
                         int rn,n,nt=0,i=0;
scanf("%d",&n);
                                   while(n!=0)
       9
10
11
                                           rn=rn*10 + n%10;
                                           n=n/10;
      12
13
14
15
16
17
                                   n=nt+rn;
                                   1++;
                         while(rn!=nt || i==1);
printf("%d",rn);
return 0;
      18
19
```

	Input	Expected	Got	
~	32	55	55	~
~	789	66066	66066	~

Passed all tests! ~

Question 3 Correct Marked out of Flag question

A number is considered lucky if it contains either 3 or 4 or 3 and 4 both in it. Write a program to print the nth lucky number. Example, 1st lucky number is 3, and 2nd lucky number is 4 and 3rd lucky number is 33 and 4th lucky number is 34 and so on. Note that 13, 40 etc., are not lucky as they have other numbers in it.

The program should accept a number 'n' as input and display the nth lucky number as output.

Sample Input 1:

Sample Output 1:

Passed all tests! ✓

Question 3
Correct
Marked out of 7.00

P Flag question

A number is considered lucky if it contains either 3 or 4 or 3 and 4 both in it. Write a program to print the nth lucky number. Example, 1st lucky number is 3, and 2nd lucky number is 4 and 3rd lucky number is 33 and 4th lucky number is 34 and so on. Note that 13, 40 etc., are not lucky as they have other numbers in it.

The program should accept a number 'n' as input and display the nth lucky number as output.

Sample Input 1:

3

Sample Output 1:

33

Explanation:

Here the lucky numbers are 3, 4, 33, 34., and the 3rd lucky number is 33.

Sample Input 2:

34

Sample Output 2:

33344

Answer: (penalty regime: 0 %)

```
1 |#include <stdio.h>
       int main()
 3 • {
4
5
6
7 • 8
9
             int n=1,i=0,nt,co=0,e;
scanf("%d",&e);
while(i<e)</pre>
                   nt=n;
                   while(nt!=0)
10 • 11 12 13 • 14 15 16 17 18 19
                          co=0;
                         if(nt%10!=3 && nt%10!=4)
                                co=1;
                               break;
                          nt=nt/10;
                    if(co==0)
20
21
22
23
24
25
                          1++:
             printf("%d",--n);
return 0;
26
27
```

```
Input Expected Got

34 33344 33344 

Passed all tests! ✓
```

Finish review