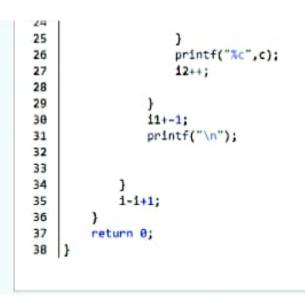
Question 1 Correct	Write a program that prints a simple chessboard.
Marked out of 3.00	Input format:
P Flag question	
	The first line contains the number of inputs T.
	The lines after that contain a different values for size of the chessboard
	Output format:
	Print a chessboard of dimensions size * size. Print a Print W for white spaces and B for black spaces.
	Input:
	2
	3
	5
	Output:
	WBW

```
Alister. (penalty regime, v /e/
      #include<stdio.h>
    2 . int main(){
           int T,d,i=0,i1,i2,o;
    3
   4
           char c;
           scanf("%d",&T);
    6
           while(i<T)
    7 .
           {
   8
               scanf("%d",&d);
   9
               11-0;
  18
               while(i1<d)
  11 .
  12
                    0-1;
  13
                    12-0;
  14
                    if(i1%2--0)
  15 .
  16
                        o=0;
  17
  18
                    while(12<d)
  19 .
  20
                        c='B';
  21
                        if(i2%2--o)
  22 .
  23
                            C-'W':
  24
  25
                        printf("%c",c);
  26
                        12++;
  27
  28
  29
  30
                    i1+-1;
  31
                    printf("\n");
  32
```

33





Question 2 Correct	Let's print a chessboard!
Marked out of 5.00 F Flag question	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

```
2 + int main(){
        int T,d,i,i1,i2,0,2;
 4
        char c.s:
 5
        scanf("%d",&T);
 6
        for(i=0;i<T;i++)
 7.
        (
 8
            scanf("%d %c",&d,&s);
 9
            for(11-0;11<d;11++)
10 .
                z=(s=='W')?0:1;
11
12
                0-(11%2--2)?0:1;
13
                 for(12-0;12<d;12++)
14 .
                     c=(12%2==o)?'W':'B';
15
                     printf("%c",c);
16
17
18
                 printf("\n");
19
20
21
22
23
        return 0;
24
```

	Input	Expected	Got	
~	2	WB	WB	~
	2 W	BW	BW	
	3 B	BMB	BMB	
		NBN	WBW	

```
Question 3
                    Decode the logic and print the Pattern that corresponds to given input.
Correct
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
```

```
#include<stdio.h>
    int main()
 2
 3 . {
 4
        int n,v,p3,c,in,i1,i2,i,t,ti;
        scanf("%d",&t);
        for(t1-0;t1<t;t1++)
 6
7 .
8
             v=8;
9
             scanf("%d",&n);
18
             printf("Case #%d\n",ti+1);
11 .
             for(1-8;1<n;1++){
12
                 c=0;
13 .
                 if(i>0){
14
                     for(i1-0;i1<i;i1++) printf("**");
15
16
17 .
             for(i1=i;i1<n;i1++){
18
                 if(i>0) C++;
                 printf("%d0",++v);
19
28
             if(1==0){
21 .
22
                 p3-v+(v*(v-1))+1;
23
                 in-p3;
24
25
26
             in=in-c;
27
            p3-in;
28 -
             for(12-1;12<n;12++){
29
                 printf("%d",p3++);
                 if(i2!-n-1) printf("0");
30
31
32
33
             printf("\n");
```

51	l
32)
33	printf("\n");
34	20.00
35	
36	
37)
38)
39	return 0;
48	}

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

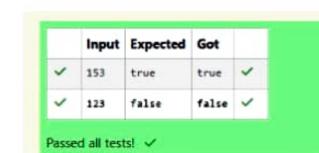
```
1 <= N <= 10^8
```

Answer: (penalty regime: 0 %)

#include(stdio.h>

```
#include<math.h>
 3 + int main(){
        int n;
        scanf("%d",&n);
        int x=0,n2=n;
 7
        while(n2!-0)
 8 .
 9
             X++;
10
             n2=n2/10;
11
12
        int sum-8;
13
        int n3-n,n4;
14
        while(n3!=0)
15 .
16
             n4-n3%10;
17
             sum - sum+pow(n4,x);
18
             n3=n3/10;
19
20
        if(n--sum)
21 .
22
            printf("true");
23
24
        else
25 .
26
             printf("false");
27
        }
```

```
12
        int sum-0;
13
        int n3-n,n4;
14
        while(n3!=0)
15 +
            n4-n3%10;
16
17
            sum - sum+pow(n4,x);
18
            n3=n3/10;
19
        if(n--sum)
20
21 .
            printf("true");
22
23
24
        else
25 .
            printf("false");
26
27
28
        return 0;
29
38
```



Question 2

Correct

Marked out of 5.00

F Flag question

Take a number, reverse it and add it to the original number until the obtained number is a palindrome. Constraints 1<=num<=999999999 Sample Input 1 32 Sample Output 1 55 Sample Input 2 789 Sample Output 2 66066

Answer: (penalty regime: 0 %)





Ouestion 3 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 Correct 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 Marked out of and so on. Note that 13, 40 etc., are not lucky as they have other numbers in it. 7.00 P Flag question 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:

```
#include<stdio.h>
 2 . int con(int a){
 3
        int c=a;
        while(c!=0){
 4 .
 5
            int d-c%10;
 6
            if(d1-3 && d1-4) return 0;
 7
            c/=10;
 8
 9
        return 1;
10
11 - int main(){
12
        int a,b=0;
13
        scanf("%d",&a);
        while(a!-0){
14 .
15
            b++;
16 .
            if(con(b)){
17
                a--;
18
19
28
21
        printf("%d",b);
22
        return 0:
23 }
```

	Input	Expected	Got	
~	34	33344	33344	~

Passed all tests! <