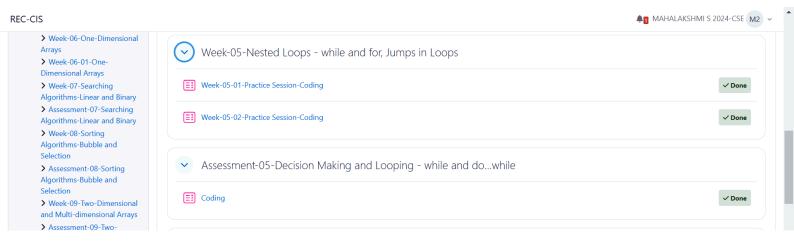
WEEK - 5



Practice Session 1

```
#include<stdio.h>
 2 v int main(){
 3
          int t;
          scanf("%d", &t);
for(int n = 1; n <= t; n++){</pre>
 4
 5 🔻
 6
                int sn;
                scanf("%d", &sn);
for(int i = 1; i <= sn; i++){</pre>
 7
 8 •
                     for(int j = 1; j <= sn; j++){
  if((i + j) % 2 == 0){
 9 •
10 •
                               printf("W");
11
12
                          }
13 •
                          else{
14
                               printf("B");
15
16
17
                     printf("\n");
18
19
20
          return 0;
21 }
```

	Input	Expected	Got	
~	2	WBW	WBW	~
	3	BWB	BWB	
	5	WBW	WBW	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	

```
1
    #include<stdio.h>
 2 v
    int main(){
         int t;
scanf("%d", &t);
for(int n = 1; n <=t; n++){</pre>
 3
 4
 5 🔻
 6
             int sn;
             char a;
scanf("%d %c", &sn, &a);
 7
 8
             for(int i = 1; i <= sn; i++){</pre>
9 🔻
                  for(int j = 1; j <= sn; j++){
10 •
                      if((i + j) % 2 == 0){
11 v
                           printf("%c", a);
12
13
14 🔻
                      else{
15 v
                           if(a == 'W'){
                           printf("B");
16
17
                           else{
18 🔻
19
                              printf("W");
20
21
22
23
                  printf("\n");
24
             }
25
26
         return 0;
27 }
```

	Input	Expected	Got	
~	2 2 W 3 B	WB BW BWB	WB BW BWB	~
		WBW BWB	WBW BWB	

```
#include<stdio.h>
 2 v int main(){
 3
        int n, v, p3, c, in, i, i1, i2, t, ti;
        scanf("%d", &t);
 4
        for(ti = 0; ti < t; ti++){</pre>
 5 1
            V = 0;
 6
            scanf("%d", &n);
 7
 8
             printf("Case #%d\n", ti + 1);
9 •
             for(i = 0; i < n; i++){
10
                c = 0;
11 •
                 if(i > 0){
12 •
                    for(i1 = 0; i1 < i; i1++){
                         printf("**");
13
14
                 }
15
                 for(i1 = i; i1 < n; i1++){</pre>
16 🔻
17 🔻
                    if(i > 0){
18
                     C++;
19
                    }
                    printf("%d0", ++v);
20
21
                 }
22 •
                 if(i == 0){
                    p3 = v + (v * (v - 1)) + 1;
23
                     in = p3;
24
25
                 }
26
                 in = in - c;
                 p3 = in;
27
28
                 for(i2 = i; i2 < n; i2++){</pre>
29
                    printf("%d", p3++);
30 1
                     if(i2 != n - 1){
31
                         printf("0");
32
                     }
33
                 printf("\n");
34
35
36
37
        return 0;
38
```

_	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	

Practice Session 2

```
#include<stdio.h>
 2
    #include<math.h>
 3 v int main(){
 4
       int n;
        scanf("%d", &n);
 5
 6
       int x = 0, n2 = n;
 7 🔻
        while(n2 != 0){
8
        x ++;
           n2 = n2 / 10;
9
10
       }
11
       int sum = 0;
12
        int n3 = n, n4;
        while(n3 != 0){
13 v
        n4 = n3 \% 10;
14
15
          sum = sum + pow(n4, x);
        n3 =n3 / 10;
16
17
        }
18 🔻
        if(n == sum){}
19
        printf("true");
        }
20
21 *
        else{
       printf("false");
22
23
24
        return 0;
25 }
```

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

Flag question

```
#include<stdio.h>
    int main(){
 2 •
        int rn, n, nt = 0, i = 0;
scanf("%d", &n);
 3
 4
 5 v
         do{
 6
            nt = n; rn = 0;
 7 🔻
            while(n != 0){
             rn = rn * 10 + n % 10;
 8
               n = n / 10;
 9
            }
10
11
            n = nt + rn;
           i ++;
12
13
14
         while(rn != nt || i == 1);
         printf("%d", rn);
15
16
         return 0;
17 }
```

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

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

	Input	Expected	Got	
~	34	33344	33344	~