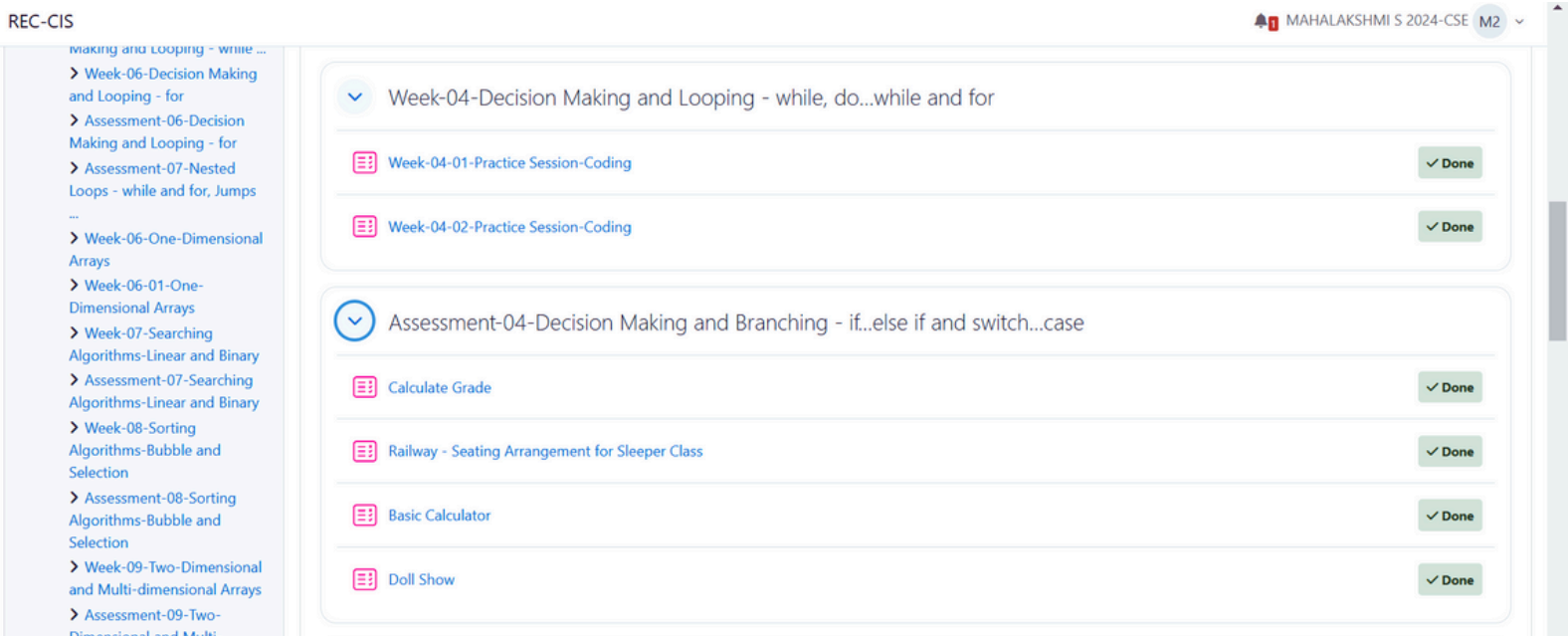
WEEK - 4



Practice Session 1

```c
#include<stdio.h>
int main(){
    int T, i = 0, n, t;
    scanf("%d", &T);
    while(i < T){
        scanf("%d", &n);
        t = n / 4;
        if(t % 2 == 0 && n % 2 == 0){
            printf("No\n");
        }
        else if(t % 2 == 1 && n % 2 == 1){
            printf("No\n");
        }
        else{
            printf("Yes\n");
        }
        i++;
    }
    return 0;
}
```

	Input	Expected	Got	
✓	3 1 6 7	Yes Yes No	Yes Yes No	✓

Passed all tests! ✓

```c
#include<stdio.h>
int main(){
    int n, x, y;
    scanf("%d", &n);
    while(n > 0){
        x = n % 10;
        if(x == 1 || x == 2 || x == 3 || x == 5 || x == 7){
            y = y + 0;
        }
        else if(x == 0 || x == 4 || x == 6 || x == 9){
            y = y + 1;
        }
        else{
            y = y + 2;
        }
        n = n / 10;
    }
    printf("%d", y);
    return 0;
}
```

	Input	Expected	Got	
✓	630	2	2	✓
✓	1288	4	4	✓

Passed all tests! ✓

```c
#include<stdio.h>
int main(){
    int n, d = 0;
    scanf("%d", &n);
    while(n > 0){
        n = n / 2;
        d++;
    }
    printf("%d", d);
    return 0;
}
```

	Input	Expected	Got	
✓	10	4	4	✓
✓	5	3	3	✓
✓	20	5	5	✓
✓	500	9	9	✓
✓	1000	10	10	✓

Passed all tests! ✓

Practice Session 2

```c
#include<stdio.h>
int main(){
    int a, b = 0, c = 0;
    for (a = 0; b < 10; b++){
        scanf("%d", &a);
        if ( a % 2 != 0){
            c = c + 1;
        }
    }
    printf("%d", c);
    return 0;
}
```

	Input	Expected	Got	
✓	5 10 15 20 25 30 35 40 45 50	5	5	✓

Passed all tests! ✓

```c
#include<stdio.h>
int main(){
    int x, y = 0, c = 0;
    scanf("%d", &x);
    while(x > 0){
        y = x % 10;
        if (y == 0 || y == 6 || y == 8 || y == 9){
            c++;
        }
        x = x / 10;
    }
    if (c >= 1){
        printf("true");
    }
    else{
        printf("false");
    }
    return 0;
}
```

	Input	Expected	Got	
✓	6	true	true	✓
✓	89	true	true	✓
✓	25	false	false	✓

Passed all tests! ✓

```c
#include<stdio.h>
int main(){
    long long int n, t, i, nut = 0;
    scanf("%lld %lld", &n, &t);
    for(i = 1; i <= n; i++){
        nut += i;
        if(nut == t){
            nut = nut - 1;
        }
    }
    printf("%lld", nut % 1000000007);
    return 0;
}
```

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

Passed all tests! ✓