## **Loop/Repetition Statements**

## **Lecture 4 Assignment**

```
Start here X as1.c X as2.c X *as3.c X as4.c X as5.c X
     1
            #include <stdio.h>
                                                C:\Users\Hp\Documents\as1.exe
     2
            int main(void)
                                                2 4 8 16 32 64 128
rocess returned 0 (0x0) execution time : 2.649 s
         □ {
     3
     4
            int i;
     5
            i = 1;
         6
             printf("%d ", i);
     8
             i *= 2;
     9
    10
            return 0;
    11
    12
    13
           //Output is: 1 2 4 8 16 32 64 128
    14
```

```
Start here X as1.c X as2.c X *as3.c X as4.c X as5.c X
2.
          1
                 #include <stdio.h>
          2
                 int main (void)
          3
              □ {
          4
                     int i;
                          i = 0;
          5
          6
                          while (i < 10) {
          7
                          printf("%d ", i);
          8
                          i ++;
          9
                          //Output is: 0 1 2 3 4 5 6 7 8 9
         10
                          printf("\n");
         11
         12
                          for (i = 0; i < 10; i++)
         13
         14
                           printf("%d ", i);
                            printf("\n");
         15
         16
                          //Output is: 0 1 2 3 4 5 6 7 8 9
         17
         18
         19
         20
                                  i++;
                                                  C:\Users\Hp\Documents\as2.exe
         21
         22
                           while (i < 10);
                                                     2 3 4 5 6 7 8 9
2 3 4 5 6 7 8 9
                          printf("%d ", i);
         23
         24
         25
                     //Output is: 11
         26
         27
                           return 0;
         28
         29
```

3.

```
Starthere × aslc × aslc × aslc × aslc × aslc ×
    1 #include <stdio.h>
     4 | int main() (
    5
              int i:
     6
     7
               for (1 = 1; 1 <= 128; 1*=2) ( //Arrange the Update into i multiplied by 2
     8
    9
                  printf("%d ", i);
    10
    11
    12
            return 0;
    13
                         C:\Users\Hp\Documents\as3.exe
    14
```

Starthers × mic × mic × mic × mic × mic × 4. #include<stdio.h> 1 2 int main() ( 3 int a, b; 4 a - 1; 5 for (b = 0; b <= 10; ++b) { 6 7 if (b == 0) 8 a = 1; 9 else 10 a \*= 2; 11 printf("\n%2d %8d ", b, a); 12

return 0;

)

13

14

15

```
Start here X as1.c X as2.c X as3.c X as4.c X as5.c X
5.
                    #include<stdio.h>
                  □int main(){
              2
              3
                       int i, noofdays;
                       int first;
                      printf("enter no of days in a month:\n");
              6
                       scanf("%d", &noofdays);
              7
                      printf("enter starting day of the week:\n");
              8
                       scanf("%d",&first);
              9
                  10
                      if (noofdays >= 28 && noofdays <= 31 ){
             11
                           for(i=1;i<first;i++)</pre>
             12
                              printf(" ");
             13
                           for(i=1;i<=noofdays;i++){</pre>
             14
             15
                              printf("%3d",i);
             16
                              if((first+i-1)%7==0)
                                 printf("\n");}
             17
             18
                       }
             19
             20
                        else {
             21
                            printf("Invalid Number");
             22
             23
             24
                       return 0;
                                                   C:\Users\Hp\Documents\as5.exe
             25
                    }
             26
```

## **RESTRICTIONS:**

```
enter no of days in a month:
32
enter starting day of the week:
4
Invalid Number
Process returned 0 (0x0) execution time: 3.637 s
Press any key to continue.
```

```
1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28
Process returned 0 (0x0) execution time : 16.307 s
Press any key to continue.
```

Github link: https://github.com/elipancarl/CMSC21.git