Loop/Repetition Statements

Lecture 4 Assignment

```
Start here X as1.c X as2.c X *as3.c X as4.c X as5.c X
            #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
```

```
2.
             #include <stdio.h>
       2
             int main(void)
       4
                 int i;
          ı
       5
                      i = 10;
                      while (i < 10) {
                      printf("%d ", i);
       7
                      i ++;
       8
          ı
       9
                     //Output is: None
      10
      11
                      printf("\n");
                                                  "C:\Users\Hp\Desktop\CMSC 21\Lecture 4\as2.exe"
      12
      13
                      i = 10;
      14
                      for (; i < 10; i++)
                      printf("%d ", i);
      1.5
                       printf("\n");
      16
      17
      18
                     //Output is: None
      19
      20
                      i = 10;
      21
                       do {
      22
                             i++;
      23
                             printf("%d ", i);
      24
      25
                       while (i < 10);
          ı
      26
      27
          ı
      28
                 //Output is: Executed Once
      29
      30
                       return 0;
      31
```

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