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Loop/Repetition Statements

Lecture 4 Assignments

1. The output of the program is:

1 2 4 8 16 32 64 128

2. The following statement that is not equivalent to the other two is the do-while loop statement since the condition is performed at the end of the loop rather than the beginning which guarantees that the loop will be performed at least once.

3.

4.

```
CMSC-Lecs > Lecture4 > Assignments > C as4.c > \textcircled{o} main(void)
 20
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
                                                                                                                                                    ) powershell
        16
32
64
128
         256
512
PS D:\Pan\UPV\1 - Second Sem\CMSC 21\C Project\CMSC 21\CMSC-Lecs\Lecture4\Assignments>
```

CMSC-Lecs > Lecture4 > Assignments > C as5.c > 分 main(void)

```
OUTPUT TERMINAL
                                                                                                                                           powershell
Windows PowerShell
                                                                                                                                           > Code
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS D:\Pan\UPV\1 - Second Sem\CMSC 21\C Project\CMSC 21\CMSC-Lecs> cd "d:\Pan\UPV\1 - Second Sem\CMSC 21\C Project\CMSC 21\CMSC-L
              Assignments\" ; if ($?) { gcc as5.c -o as5 } ; if ($?) { .\as5 }
Enter number of days in month: 27
Invalid input! Must only be within 28-31.
Enter number of days in month: -1
Invalid input! Must only be within 28-31.
Enter number of days in month: 31
Enter the starting day of the week(1=Sun, 7=Sat): 8
Invalid input! Must only be within 1-7.
Enter the starting day of the week(1=Sun, 7=Sat): 3
                                 Thu
                                         Fri
Sun
        Mon
                Tue
                        Wed
                                                  Sat
        28
                29
                         30
PS D:\Pan\UPV\1 - Second Sem\CMSC 21\C Project\CMSC 21\CMSC-Lecs\Lecture4\Assignments>
```

Github Link: https://github.com/Pan-Beau/CMSC21/tree/main/Lecture4/Assignments