1.

```
// as1.c
#include <stdio.h>
c:\Users\Jullene Rae\OneDrive\Desktop>.\as1
1248163264128
C:\Users\Jullene Rae\OneDrive\Desktop>

int main(void)
{
   int i;
   i = 1;
   while (i <= 128){
        printf("%d", i);
        i *= 2;
   }
   return 0;
}</pre>
```

2.

```
// as2.c
                                                     // as2.c
#include <stdio.h>
                          #include <stdio.h>
                                                     #include <stdio.h>
int main(void)
                          int main(void)
                                                     int main(void)
    int i;
                              int i;
                                                    {
                                                         int i;
                              do {
                                                         for (i = 1; i < 10; i *= 2){
    while (i < 10){
                                  printf("%d", i);
       printf("%d", i);
                                                             printf("%d", i);
                              while (i < 10);
                                                         return 0;
    return 0;
```

```
C:\Users\Jullene Rae\OneDrive\Desktop>gcc -o as2 as2.c
C:\Users\Jullene Rae\OneDrive\Desktop>.\as2
1248
C:\Users\Jullene Rae\OneDrive\Desktop>gcc -o as2 as2.c
C:\Users\Jullene Rae\OneDrive\Desktop>.\as2
1248
C:\Users\Jullene Rae\OneDrive\Desktop>gcc -o as2 as2.c
C:\Users\Jullene Rae\OneDrive\Desktop>gcc -o as2 as2.c
C:\Users\Jullene Rae\OneDrive\Desktop>gcc -o as2 as2.c
C:\Users\Jullene Rae\OneDrive\Desktop>.\as2
1248
C:\Users\Jullene Rae\OneDrive\Desktop>.\as2
```

3.

```
C:\Users\Jullene Rae\One
#include <stdio.h>
                                          TABLE OF POWERS OF TWO
int main(void)
    int i, power;
                                                       2 to the n
                                          n
   power = 1;
                                          0
                                                       1
   printf("\nTABLE OF POWERS OF TWO\n");
                                          1
                                                       2
   printf("\nn\t 2 to the n");
printf("\n--\t -----");
                                          2
                                                       4
                                                       8
                                          4
                                                       16
           power = 1;
                                          5
                                                       32
                                          6
                                                       64
           power *= 2;
                                          7
                                                       128
       printf("\n%d\t %d", i, power);
                                          8
                                                       256
                                          9
                                                       512
   printf("\n");
   return 0;
                                          10
                                                       1024
```

5. Hdhd

```
// as<u>5.c</u>
int main()
    int start, days, i;
    printf("Enter number of days in month: ");
    scanf("%d", &days);
    printf("\n");
    if (days == 32)
    printf("Invalid.");
    else if (days == -1)
    printf("Invalid.");
else if (days == 0)
        printf("Invalid.");
    else if (days == 27)

printf("Invalid.");
         printf("Enter the starting day of the week (1=Sun, 7=Sat): ");
         scanf("%d", &start);
    for (i = 1; i < days; i++){
    printf("%3d", i);</pre>
             printf("\n");
    return 0;
```

6. Hhh

7. Hdhd

```
#include #i
```

```
C:\Users\Jullene Rae\OneDrive\Desktop>.\as7
          0
             0
                  0
                          0
                      0
      1
          1
              0
                  0
                          0
                              0
 [0] [1] [1] [0] [1] [1] [0] [0]
 [0] [0] [0] [1] [1] [0]
                        [0]
      0
          0
                      0
                          0
      0
              0
                  0
   1
                      1
                          0
                              0
   1
      0
          0
                  0
                      0
                              0
   0
      0
          0 0
                  0
                          0
Which point are you located? 0 - A, 1 - B, 2 - C, 3 - D, 4 - E, 5 - F, 6 - G, 7 - H
0
At point: A
point: C arrived to charging station
```