CS ASSAIGNMENT- 4

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C 1.2.c > ⊘ main()

```c
1    #include <stdio.h>
2    int main(){
3        int num;
4        printf("Enter the week number\n");
5        scanf("%d", &num);
6        switch(num){
7            case 1:
8                printf("Sunday");
9                break;
10           case 2:
11               printf("Monday");
12               break;
13           case 3:
14               printf("Tuesday");
15               break;
16           case 4:
17               printf("Wednesday");
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

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PS C:\Users\HP\Desktop\Assignment\New folder> gcc 1.2.c
PS C:\Users\HP\Desktop\Assignment\New folder> .\a.exe
Enter the week number
3
Tuesday
PS C:\Users\HP\Desktop\Assignment\New folder> .\a.exe
Enter the week number
7
Saturday
PS C:\Users\HP\Desktop\Assignment\New folder>

Ln 30, Col 2   Spaces

C 2.c > ⊗ main()

```c
1    #include<stdio.h>
2    int main(){
3        int month;
4        printf("Enter month number(1-12):");
5        scanf("%d",&month);
6        switch(month){
7            case 1:
8                printf("31 days");
9                break;
10           case 2:
11               printf("28/29 days");
12               break;
13           case 3:
14               printf("31 days");
15               break;
16           case 4:
17               printf("30 days");
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

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PS C:\Users\HP\Desktop\Assignment> gcc 2.c
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter month number(1-12):
7
31 days
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter month number(1-12):
3
31 days
PS C:\Users\HP\Desktop\Assignment>

Ln 15, Col 18   Spaces: 4

C 3.c > ⊘ main()

```c
1    #include<stdio.h>
2    int main(){
3        int num;
4        printf("Enter any number\n");
5        scanf("%d",&num);
6        switch(num%2){
7            case 0:
8            printf("Number is even");
9            break;
10           case 1:
11           printf("Number is odd");
12           break;
13       }
14       return 0;
15   }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

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PS C:\Users\HP\Desktop\Assignment> gcc 3.c
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any number
34
Number is even
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any number
23
Number is odd
PS C:\Users\HP\Desktop\Assignment>

Ln 7, Col 16   S

```c
C 4.c > ◊ main()
  2   int main(){
  3       int num;
  4       printf("Enter any number\n");
  5       scanf("%d",&num);
  6       switch(num>0){
  7           case 1:
  8               printf("%d is positive",num);
  9               break;
 10           case 0:
 11               switch(num<0){
 12                   case 1:
 13                       printf("negative");
 14                       break;
 15                   case 0:
 16                       printf("Zero");
 17                       break;
 18               }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\HP\Desktop\Assignment> gcc 4.c
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any number
-56
negative
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any number
0
Zero
PS C:\Users\HP\Desktop\Assignment> 25
25
PS C:\Users\HP\Desktop\Assignment> ▮

C 5.c > ...

```c
1   #include <stdio.h>
2   int main(){
3       int num;
4       printf("Enter any number\n");
5       scanf("%d",&num);
6       (num%2==0)?printf("even"):printf("odd");
7       return 0;
8   }
9
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

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PS C:\Users\HP\Desktop\Assignment> gcc 5.c
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any number
23
odd
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any number
16
even
PS C:\Users\HP\Desktop\Assignment>

```c
C 6.c > ⊗ main()
1    #include<stdio.h>
2    int main(){
3        int num;
4        printf("Enter any year:\n");
5        scanf("%d",&num);
6        (num%4==0 && num%100!=0)? printf("LEAP YEAR"):
7        (num%400==0)? printf("LEAP YEAR"):printf("COMMON YEAR");
8        return 0;
9    }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

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PS C:\Users\HP\Desktop\Assignment> gcc 6.c
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any year:
2020
LEAP YEAR
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any year:
2021
COMMON YEAR
PS C:\Users\HP\Desktop\Assignment>

Ln 4, Col 30   S

C 7.c > ⊘ main()

```c
1   #include<stdio.h>
2   int main(){
3       char ch;
4       printf("Enter any character:\n");
5       scanf("%c",&ch);
6       (ch>='a' && ch<='z')||(ch>='A' && ch<='Z')? printf("It is ALPHABET"):
7       printf("It is NOT ALPHABET");
8       return 0;
9   }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
PS C:\Users\HP\Desktop\Assignment> gcc 7.c
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any character:
A
It is ALPHABET
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any character:
b
It is ALPHABET
PS C:\Users\HP\Desktop\Assignment> .\a.exe
Enter any character:
8
It is NOT ALPHABET
PS C:\Users\HP\Desktop\Assignment> []
```

Ln 9, C