Practical-5

Odd/Even using if-else

```c
#include <stdio.h>
int main()
{
    int a;
    printf("Anurodh vishwakarma\n");
    printf("ERP ID-ru-25-10256\n");
    printf("enter a number");
    scanf("%d",&a);
    if(a%2==0)
    {
        printf("even");
    }
    else
    {
        printf("odd");
    }
}
```

Output:

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS C:\Users\anuro\OneDrive\Desktop\c cobra file> cd "c:\Users\
 ($?) { gcc EX2.C -o EX2 } ; if ($?) { .\EX2 }
Anurodh vishwakarma
ERP ID-ru-25-10256
enter a number45
odd
PS C:\Users\anuro\OneDrive\Desktop\c cobra file>
```

<u>Max among three numbers</u>

```c
C EX2.C > ⊙ main()
1    #include <stdio.h>
2
3    int main()
4    {
5        int a, b, c;
6
7        printf("Anurodh vishwakarma\n");
8        printf("ERP ID-ru-25-10256\n");
9        printf("enter a numbers");
10
11       // Reading three integers from the user
12       scanf("%d", &a);
13       scanf("%d", &b);
14       scanf("%d", &c);
15
16       // Logic to find the largest number
17       if (a > b && a > c)
18       {
19           printf("a is largest number");
20       }
21       else if (b > a && b > c)
22       {
23           printf("b is largest number");
24       }
25       else
26       {
27           printf("c is largest number");
28       }
29
30       return 0;
31   }
```

Output:

```
PS C:\Users\anuro\OneDrive\Desktop\c cobra file> cd "c:\Users\anuro\OneDrive\Desktop\c c
 ($?) { gcc EX2.C -o EX2 } ; if ($?) { .\EX2 }
Anurodh vishwakarma
ERP ID-ru-25-10256
enter a numbers66
78
66
b is largest number
PS C:\Users\anuro\OneDrive\Desktop\c cobra file>
```

Ternary operator

```
C EX2.C > ⊙ main()
1     #include <stdio.h>
2
3     int main()
4     {
5         int a, b, c, max;
6
7         printf("Anurodh vishwakarma\n");
8         printf("ERP ID-ru-25-10256\n");
9
10        printf("enter a numbers");
11        scanf("%d", &a);
12        scanf("%d", &b);
13        scanf("%d", &c);
14
15        max = (a > b) ? ((a > c) ? a : c) : ((b > c) ? b : c);
16
17        printf("Maximum number is: %d\n", max);
18
19        return 0;
20    }
```

Output:

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\anuro\OneDrive\Desktop\c cobra file> cd "c:\Users\anuro\OneD
 ($?) { gcc EX2.C -o EX2 } ; if ($?) { .\EX2 }
Anurodh vishwakarma
ERP ID-ru-25-10256
enter a numbers1
2
3
Maximum number is: 3
PS C:\Users\anuro\OneDrive\Desktop\c cobra file> █

Switch case

```c
C EX2.C > ...
1    #include <stdio.h>
2
3    int main()
4    {
5        int a, b;
6        char choice;
7        int sum;
8
9        printf("Anurodh vishwakarma\n");
10       printf("ERP ID-ru-25-10256\n");
11
12       printf("enter a and b\n");
13       scanf("%d %d", &a, &b);
14
15       printf("enter\n");
16       scanf(" %c", &choice); // Added a space before %c to consume the newline character
17       printf("%c", choice);
18
19       switch(choice)
20       {
21           case '+':
22               printf("%d", a + b);
23               break;
24           case '-':
25               printf("%d", a - b);
26               break;
27           case '*':
28               printf("%d", a * b);
29               break;
30           case '/':
31               printf("%d", a / b);
32               break;
33           default:
34               printf("invalid");
35       }
36
37       return 0;
38   }
```

Output:

```
PS C:\Users\anuro\OneDrive\Desktop\c cobra file> cd "c:\Users\anuro\OneD
 ($?) { gcc EX2.C -o EX2 } ; if ($?) { .\EX2 }
Anurodh vishwakarma
ERP ID-ru-25-10256
enter a numbers1
2
3
Maximum number is: 3
PS C:\Users\anuro\OneDrive\Desktop\c cobra file>
```