

Week - 1

```
1) #include <stdio.h>
int main()
{
    int a, b, s, n;
    n = 1;
    while (n == 1)
    {
        printf("Enter two numbers");
        scanf("%d %d", &a, &b);
        printf("Enter 1- addition
                2- subtraction
                3- multiplication
                4- division
                5- greater than
                6- lesser than
                7- greater than or equal
                8- lesser than or equal
                9- equal to
                10- not equal to");
        scanf("%d", &s);
        switch(s)
        {
            case 1: printf("%d + %d = %d", a, b, a+b);
                     break;
            case 2: printf("%d - %d = %d", a, b, a-b);
                     break;
            case 3: printf("%d * %d = %d", a, b, a*b);
                     break;
            case 4: printf("%d / %d = %d", a, b, a/b);
                     break;
```

Case 5 : if (a > b)
printf("True");
else
printf("False");
break;

Case 6 : if (a < b)
printf("True");
else
printf("False");
break;

Case 7 :: if (a >= b)
printf("True");
else
printf("False");
break;

Case 8 : if (a <= b)
printf("True");
else
printf("False");
break;

Case 9 : if (a == b)
printf("Equal");
else
printf("Not Equal");
break;

Case 10 : if (a != b)
printf("Not equal");
else
printf("Equal");
break;

default : printf("Invalid input");
}

```

2) #include <stdio.h>
#include <math.h>
float sumaver(int x, int y);
Void printeren(int x, int y);
int main()
{
    int a, b, c, x, y;
    float avg;
    printf("Enter 3 numbers: \n");
    scanf("%d %d %d", &a, &b, &c);
    if (a > b && a > c)
    {
        x = a;
        if (b > c)
        {
            y = b;
        }
        else {
            y = c;
        }
    }
    else if (b > c)
    {
        x = b;
        if (a > c)
            y = a;
        else
            y = c;
    }
}

```



```
else  
{
```

```
    u = c;
```

```
    if (b > a)  
        y = b;
```

```
    else
```

```
        y = a;
```

```
}
```

```
avg = Sumaver(u, y);
```

```
printf("average is %f \n", avg);
```

```
prntever(u, y);
```

```
return 0;
```

```
}  
float Sumaver(int u, int y)
```

```
{  
    float a;
```

```
    printf("Sum is %d \n", u + y);
```

```
    a = (u + y) / 2;
```

```
    return a;
```

```
}
```

```
Void prntever(int u, int y)
```

```
{  
    int i;
```

```
    printf("all even numbers b/w : \n");
```

```
    if (u > y)
```

```
        i = y;
```

```
    else
```

```
        i = u;
```

```
for (i = y + 1; i < n; i++)  
{  
    if (i % 2 == 0)  
        printf ("%d\n", i);  
}  
}
```