OOJ → LAB

Week 1 programs: →

Q.1.
```
#include<stdio.h>
int main()
{  int c,n1,n2,n;
do {
   printf("Choose the operation\n");
   printf(" 1. Add\n");
   printf(" 2. subtract\n");
   printf(" 3. Multiply\n");
   printf(" 4. Divide\n");
   printf("5. Modulus\n");
   printf("6 Greater than\n");
   printf(" 7 Lesser than\n");
   printf(" 8 Equal to\n");
   printf("9. Not equal to\n");
   printf("10. Increment\n");
   scanf("%d", &n);
   printf("Enter the 2 numbers\n");
   scanf("%d %d", &n1, &n2);
switch(n)
{
  case 1: printf("%d + %d", n1, n2, n1+n2);
          break;
  case 2: printf("%d - %d", n1, n2, n1-n2);
          break;
  case 3: printf("%d * %d", n1, n2, n1*n2);
          break;
  case 4: printf("%d / %d", n1, n2, n1/n2);
          break;
```

mod

case 5: {printf("%od %% %od = %od", n1, n2, n1%n2);

break;

case 6: if (n1 > n2)

{ printf("%od > %od", n1, n2);

}

else

{ printf("%od < %od", n2, n1);

} break;

case 7: if (n1 < n2)

{ printf("%od < %od", n1, n2);

}

else

{

printf("%od < %od \n", n2, n1);

}

break;

case 8: if (n1 == n2)

{

printf("%od = %od \n", n1, n2);

}

else

{ printf("%od != %od", n2, n1);

}

break;

case 9: if (n1 != n2)

{ printf("%od != %od", n1, n2);

} else

```
    printf("%d = %d \n", n2, n1);
    }
    break;

case 10: { printf("%d++ = %d \n", n1, n1+1);
           printf("%d++ = %d \n", n2, n2+1);
           break;
         }
default: printf("Wrong Input \n");
  }

   printf("Continue? \n");
   printf("0 for no \n");
    scanf("%d", &c);
   }
   while(c != 0)
    return 0;
  }
```

Q.2
```
#include <stdio.h>
int sumaves (int n1, int n2)
{  int sum,
   sum = n1+n2;
   printf ("Sum = %od \n", sum);
   return sum/2;
}
void printeven (int n1, int n2)
{   int s, b;
    if (n1>n2)
    {  s=n2;
       b=n1;
    } else
    {  s=n1;
       b=n2;
    }
printf ("The even numbers b/w 2 no.s are \n");
for (int i=s+1; i<b; i++)
{    if (i%2==0)
     printf ("%od", i);
     }
}
int main()
{
    int n1, n2, t, avg, x1, x2;
    printf ("Enter the 3 no.s \n");
    scanf ("%od %od %od", &n1, &n2, &t);
    if (t<n1 && t<n2)
    {  x1=n1;
       x2=n2;
    }
```

```
else if (n2 < n1 && n2 < t)
  {  x1 = n1;
     x2 = t;
  }
  else
  {    x1 = n2;
       x2 = t;
  }
  avg = sum aver (x1, x2);
  printf ("Average is: %d", avg);
     print even (x1, x2);
  }.
```