Date: 15 / 09 / 2020

OOJ - Lab

1)
```
#include <stdio.h>
#include <math.h>
void main ()
{
    int a, b, c, d;
    d=1;
    while (d == 1)
    {
      printf ("Enter two numbers: \n");
      scanf ("%d %d", &a, &b);
      printf ("Choose number for respective operation\n");
      printf ("1. Addition\n 2. Subtraction \n 3. Multiplication
            \n 4. division \n 5. Greatest number \n 6.
            Smallest number \n 7. equality \n 8. not equal \n
            9. Remainder \n 10. Average \n");
    scanf ("%d", &c);
    switch (c)
    {
      Case 1: printf ("sum = %d \n", a+b);
      break;
      Case 2: Printf ("difference = %d \n", a-b);
      break;
      Case 3: Printf ("product = %d \n", a*b);
      break;
      Case 4:
      if (b != 0) {
          printf ("Quotient = %d \n", a/b);
      }
      else {
```

```
        printf ("invalid operation \n");
        }
        break;
        case 5:
        if (a>b) {
            printf ("%d > %d \n", a, b);
        }
        else {
            printf ("%d > %d \n", b, a);
        } break;
        case 6:
        if (a<b) {
            printf ("%d < %d \n", a, b);
        }
        else {
            printf ("%d < %d \n", b, a);
        } break;
        case 7: if (a==b) {
            printf ("The numbers are equal \n");
        }
        break;
        case 8: if (a!=b) {
            printf ("The numbers are not equal \n");
        }
        break;
        case 9: printf ("Remainder = %d \n", a%b);
        break;
        case 10: printf ("average = %d \n", (a+b)/2);
        break;
        default: printf ("Invalid input \n");
        }
    }
}
```

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2>

```
# include <stdio.h>
# include <math.h>
int sumarea (int n1, int n2);
void printeven (int n1, int n2);
int main ()
{
    int a, b, c, ag, n1, n2;
    ~~int n1, n2~~
    printf (" Enter any three numbers \n");
    scanf ("%d %d %d", &a, &b, &c);
    if (a>b && b>c) {
        n1 = a;
        if (b>c) {
            n2 = b;
        }
        else {
            n2 = c;
        }
    }
    else if (b>c) {
        n1 = b;
        if (a>c) {
            n2 = a;
        }
        else {
            n2 = c;
        }
    }
    else {
        n1 = c;
        if (a>b) {
            n2 = a;
        }
```

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```
    else {
        n2 = 6;
    }
}
sumaver (n1, n2);
printeven (n1, n2);
sumaver(n1, n2);
printf ("The average is %d", avg);
return 0;
}
sumaver (int n1, int n2)
{
    float avg;
    int sum;
    sum = n1 + n2;
    avg = (n1+n2) /2;
    printf ("The sum is %d \n", sum);
    return avg;
}
printeven (int n1, int n2)
{
  int i;
    for (i = n2+1; i < n1; i++)
    {
        if (i % 2 == 0) {
            printf ("%d \n", i);
        }
    }
}
```