```c
#include <math.h>
#include <stdio.h>

int main() {
    int x[4]={12,20,39,43}, *y;
    y=x;
    printf("1) %d \n",*y+1);
    printf("2) %d \n",*(y+1));
    y+=2;
    printf("3) %d \n",*y);
    *y=38;
    printf("4) %d \n",*y);
    printf("5) %d \n",*y-1);
    printf("6) %d \n",*y++);
    printf("7) %d \n",*y);
    printf("8) %d \n",y[0]);
    printf("9) %d \n",x[2]>y[0]);
    printf("10) %d \n",y-x);
    return 0;
}
```

```
PS C:\Users\Dell> cd "c:\Users\Dell\OneDrive\Documents\Lbs C\lab 3\" ;
if ($?) { gcc test.c -o test } ; if ($?) { .\test }

1) 13
2) 20
3) 39
4) 38
5) 37
6) 38
7) 43
8) 43
9) 0
10) 3
```

```c
#include <math.h>
#include <stdio.h>

int main() {

    char ch, *str = "Hello World";
    while((ch= *str++ ) != '\0')
    printf("%c", ch);
    puts("\n-------------------------");
    int *p, arr[] = {10,33,15,22,14};
    for(p=arr; p<arr+5; p+=2)
    printf("%d ", *p);
    puts("\n-------------------------");
    char n=0, *s, *e, str2[] = "siht hsinif ot ekil I";
    while(str2[++n]);
    for(s=str2, e=str2+n-1; e>s ;e--,s++ ){
        str2[n] = *e;
        *e = *s;
        *s = str2[n];
        }
        str2[n] = '\0';




    return 0;
}
```

```
PS C:\Users\Dell> cd "c:\Users\Dell\OneDrive\Documents\Lbs C\lab 3\" ;
if ($?) { gcc test.c -o test } ; if ($?) { .\test }
0 5
```

Link: https://github.com/Link20222/CSC_215_KSU_44_C-language/tree/main/HWs/3 (I will upload my codes in GitHub later)