

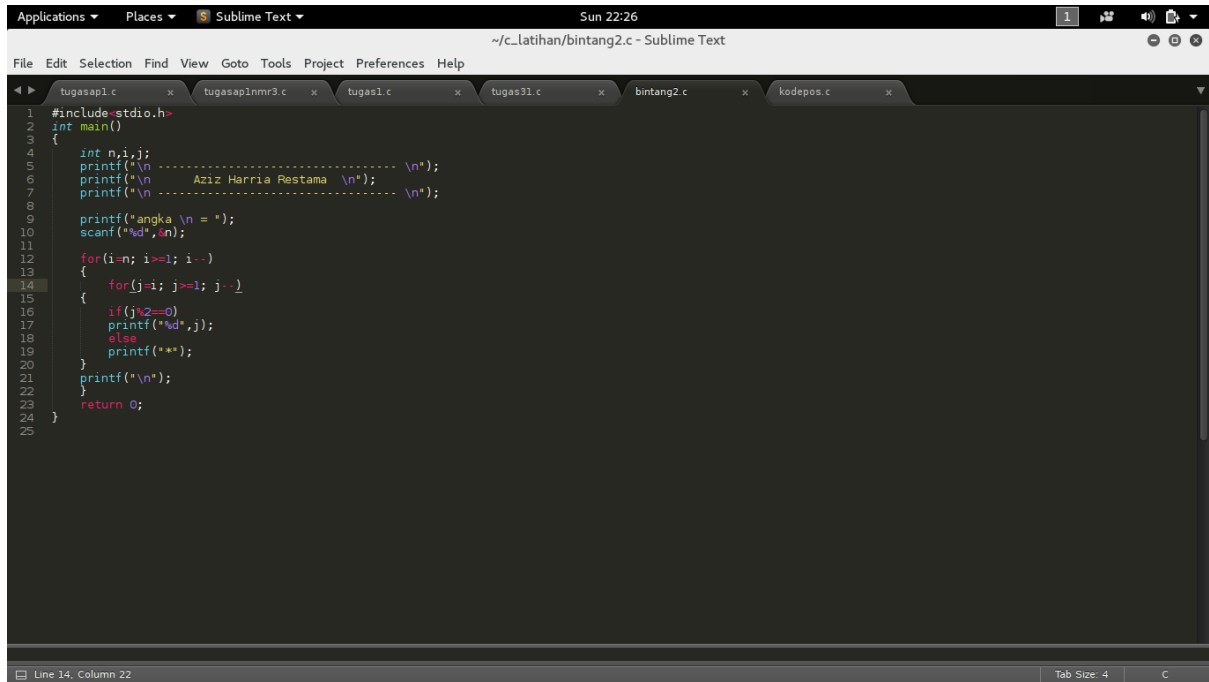
# TUGAS PRAKTEK ALGORITMA PEMROGRAMAN 1

## MODUL 3

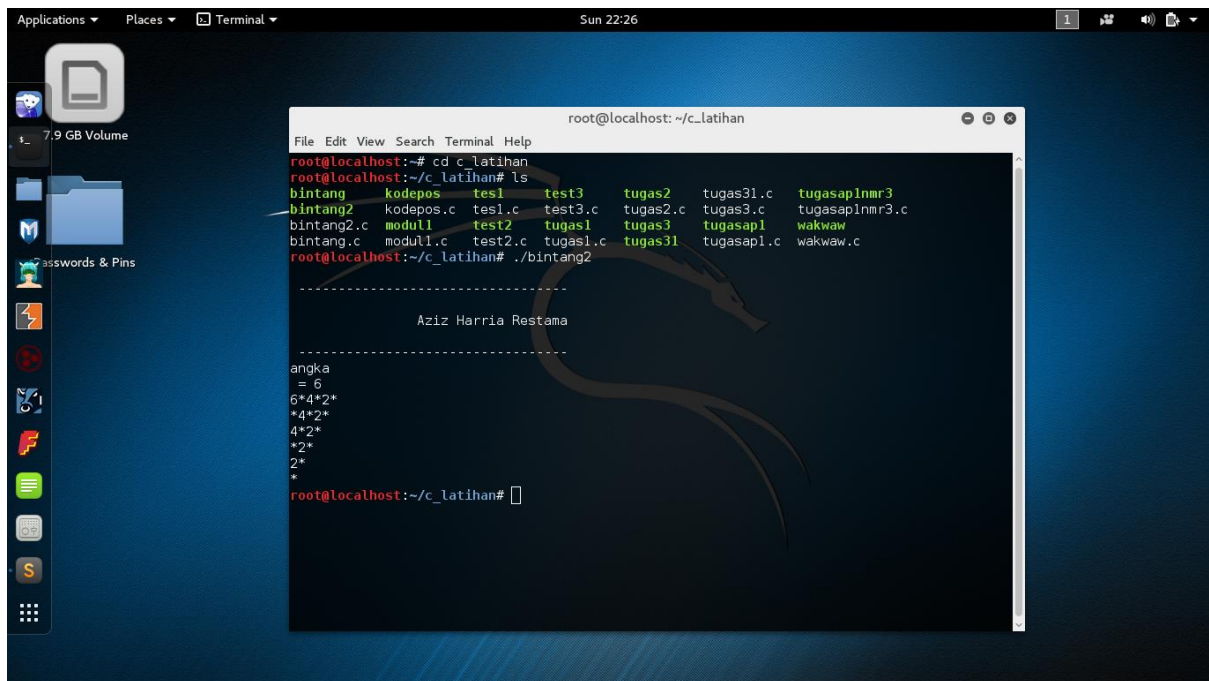
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Tugas Nomor 2 :



```
1 #include <stdio.h>
2 int main()
3 {
4     int n,i,j;
5     printf("\n ----- \n");
6     printf("\n      Aziz Harria Restama \n");
7     printf("\n ----- \n");
8
9     printf("angka \n = ");
10    scanf("%d",&n);
11
12    for(i=n; i>=1; i--)
13    {
14        for(j=i; j>=1; j--)
15        {
16            if(j%2==0)
17                printf("%d",j);
18            else
19                printf("***");
20        }
21        printf("\n");
22    }
23    return 0;
24 }
```

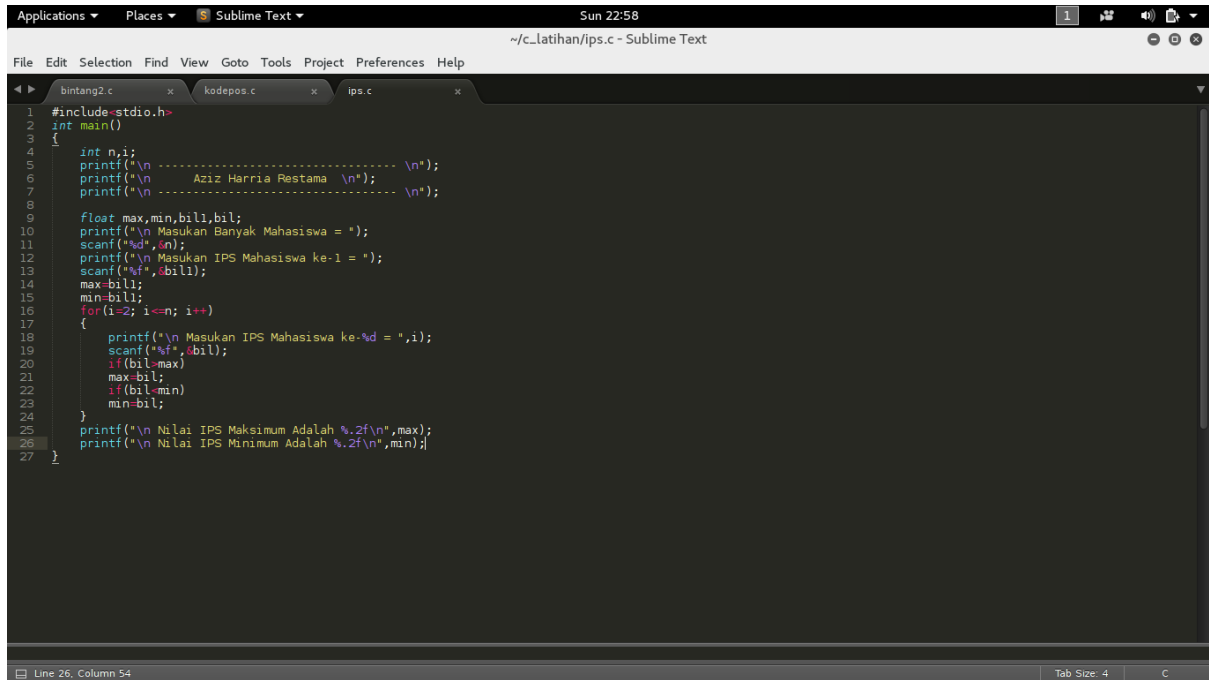


```
root@localhost: ~/c_latihan
File Edit View Search Terminal Help
root@localhost:~# cd c_latihan
root@localhost:~/c_latihan# ls
bintang      kodepos      tes1.c      test3       tugas2      tugas31.c   tugasaplnmr3
bintang2     kodepos.c   tes1.c      test3.c     tugas2.c    tugas3.c    tugasaplnmr3.c
bintang2.c   modul1.c   test2.c     tugas1      tugas3      tugasap1    wakwaw
bintang.c    modul1.c   test2.c     tugas1.c    tugas31     tugasap1.c  wakwaw.c
root@localhost:~/c_latihan# ./bintang2

-----
Aziz Harria Restama
-----

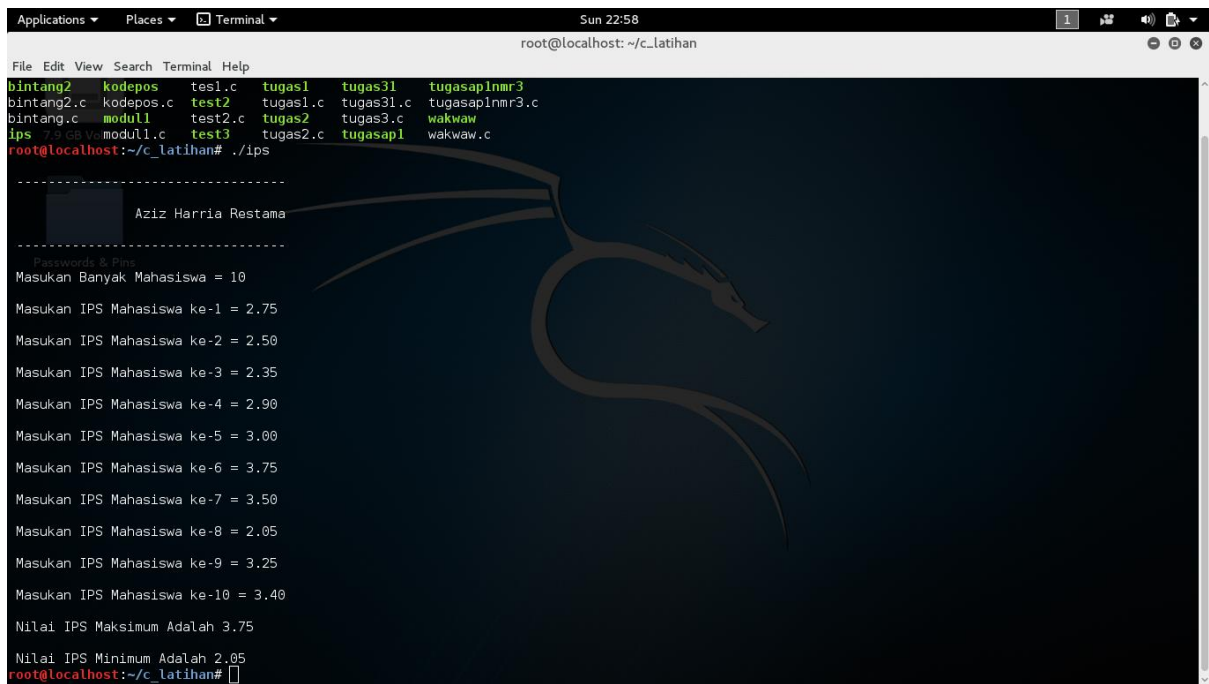
angka
= 6
6*4*2*
*4*2*
4*2*
*2*
2*
*
root@localhost:~/c_latihan#
```

## Tugas Nomor 3 :



The screenshot shows the Sublime Text editor with the file 'ips.c' open. The code is a C program that calculates the maximum and minimum IPS (Institute Score) for a group of students. It starts by including 'stdio.h' and defining a 'main' function. It prompts the user to enter the number of students (n), the name of the student (Aziz Harria Restama), and then enters 10 IPS scores. The program then iterates through these scores to find the maximum and minimum values and prints them out.

```
1 #include <stdio.h>
2 int main()
3 {
4     int n,i;
5     printf("\n ----- \n");
6     printf("\n      Aziz Harria Restama  \n");
7     printf("\n ----- \n");
8
9     float max,min,bill,bil;
10    printf("\n Masukkan Banyak Mahasiswa = ");
11    scanf("%d",&n);
12    printf("\n Masukkan IPS Mahasiswa ke-1 = ");
13    scanf("%f",&bill);
14    max=bill;
15    min=bill;
16    for(i=2; i<=n; i++)
17    {
18        printf("\n Masukkan IPS Mahasiswa ke-%d = ",i);
19        scanf("%f",&bil);
20        if(bil>max)
21            max=bil;
22        if(bil<min)
23            min=bil;
24    }
25    printf("\n Nilai IPS Maksimum Adalah %.2f\n",max);
26    printf("\n Nilai IPS Minimum Adalah %.2f\n",min);
27 }
```



The screenshot shows a terminal window where the 'ips' program has been executed. The output matches the code's logic, displaying the student's name, the number of students (10), and the 10 IPS scores entered. It then calculates and displays the maximum IPS (3.75) and the minimum IPS (2.05).

```
root@localhost:~/c_latihan# ./ips
-----
Aziz Harria Restama
-----
Masukkan Banyak Mahasiswa = 10
Masukkan IPS Mahasiswa ke-1 = 2.75
Masukkan IPS Mahasiswa ke-2 = 2.50
Masukkan IPS Mahasiswa ke-3 = 2.35
Masukkan IPS Mahasiswa ke-4 = 2.90
Masukkan IPS Mahasiswa ke-5 = 3.00
Masukkan IPS Mahasiswa ke-6 = 3.75
Masukkan IPS Mahasiswa ke-7 = 3.50
Masukkan IPS Mahasiswa ke-8 = 2.05
Masukkan IPS Mahasiswa ke-9 = 3.25
Masukkan IPS Mahasiswa ke-10 = 3.40
Nilai IPS Maksimum Adalah 3.75
Nilai IPS Minimum Adalah 2.05
root@localhost:~/c_latihan#
```