Nathanael Hutama H. 07211940000044

1. Segitiga 1: Description of the state of the - o × 側 🌠 📕 (globals) 1 #include <stdio.h> 2 int main() 3 □ { 4 int a,i,j; 5 scanf("%d", &a); 6 for (j=a; j>i; j--){

| printf("");}

| printf("*");}

| printf("*");}

| printf("\n");}

| printf("\n");} o × * *** **** ***** ***** Segitiga 2: - o × Project Classes Debug [*] Untitled1 segitiga natal.cpp segituga siku2.cpp 1 #include <stdio.h> 2 int main() 3 ₽ { 4 int a,i,j; scanf("%d", &a); 6 7 for (i=1;i<=a;i++){ 8 ₽ 9 for (j=a; j>-1,)
 printf("*");}
 "'.'! 10 🛊 11 12 | printf("\n");} 13 [[] } D:\nathan\ITS\Semester 1\dasprog\tugas\segituga siku2.exe - -**** *** *** ** *

Segitiga 3:

```
(globals)
Project Classes Debug [*] Untitled1 segitiga natal.cpp segituga siku2.cpp segitiga3.cpp
             1 #include <stdio.h>
             2 int main()
             3 ₽ {
             4
                int a,i,j;
              5
                 scanf("%d", &a);
              6
             7卓
                for (i=1;i<=a;i++){
                     for (j=1;j<i;j++){</pre>
             8₽
                         printf(" ");}
             9
                     for (j=a; j>=i; j--){
    printf("* ");}
            10 ₽
            11
                printf("\n");
            12
            13 -
                    }
                                                                                               - 0 X
D:\nathan\ITS\Semester 1\dasprog\tugas\segitiga3.exe
          *
```

2. Rata-rata:

```
rata-rata.cpp - Visual Studio Code

o Debug Terminal Help

c rata-rata.cpp ×

home > nathanael > dasprog > tugas > c rata-rata.cpp > ⊘ main()

1 #include < stdio.h>
2 int main() {
3 int n;
4 printf("Masukkan banyak angka= ");
5 scanf("%d", 6n);
6 int a[n],1;
7 float b=0;
8 for (i=0;i<n;i++) {
9 scanf("%d", 6a[i]);
10 }
11 for (i=0;i<n;i++) {
12 b=b+a[i];
13 }
14 b=b/10;
15 printf("rata-ratanya = %.2f", b);
16 }
17

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

cd "/home/nathanael/dasprog/tugas/" && g++ rata-rata.cpp -o rata-rata && "/home/nathanael/dasprog/tugas/"rata-rata nathanaelsal-Lenovo-641-35:-$ cd "/home/nathanael/dasprog/tugas/" && g++ rata-rata.cpp -o rata-rata && "/home/nathanael/dasprog/tugas/"rata-rata
mathanael@nathanael-Lenovo-641-35:-$ cd "/home/nathanael/dasprog/tugas/" && g++ rata-rata.cpp -o rata-rata && "/home/nathanael/mathanael-Lenovo-641-35:-\dasprog/tugas/" && g++ rata-rata.cpp -o rata-rata && "/home/nathanael/mathanael-Lenovo-641-35:-\dasprog/tugas/" && g++ rata-rata.cpp -o rata-rata && "/home/nathanael/mathanael-Lenovo-641-35:-\dasprog/tugas/" && g++ rata-rata.cpp -o rata-rata && "/home/nathanael/mathanael-Lenovo-641-35:-\dasprog/tugas\" && g++ rata-rata.cpp -o rata-rata && "/home/nathanael/mathanael/mathanael-Lenovo-641-35:-\dasprog/tugas\" && g++ rata-rata.cpp -o rata-rata && "/home/nathanael/mathanael/mathanael-Lenovo-641-35:-\d
```

Nilai Min:

```
Rab 10:57 •
                                        minimum.cpp - Visual Studio Code
Go Debug Terminal Help
   G rata-rata.cop
                    int main(){
          printf("Masukkan banyak angka= ");
          int a[n],i,c,b;
              for (i=0;i<n;i++){
                  scanf("%d", &a[i]);
          b=a[0];
              for (i=1;i<n;i++){
                  if (a[i]<=b){b=a[i];}
              printf("bilangan terkecilnya adalah %d", b);
              printf("/n");
    PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
                                                                                             2: Code
    nathanael@nathanael-Lenovo-G41-35:~/dasprog/tugas$ cd "/home/nathanael/dasprog/tugas/" && g++ min:
    hanael/dasprog/tugas/"minimum
    Masukkan banyak angka= 5
    1 43 23 9 -2
    bilangan terkecilnya adalah -2/nnathanael@nathanael-Lenovo-G41-35:~/dasprog/tugas$
```

Nilai Max:

```
Sab 14:14
                                              maksimum.cpp - Visual Studio Code
Go Debug Terminal Help
                                       G maksimum.cpp × C while1.c
                     C dasprog1.c
   C open.c
   int main(){
           printf("Masukkan banyak angka= ");
           scanf("%d", &n);
           int a[n],i,b;
                for (i=0;i<n;i++){
                     scanf("%d", &a[i]);
                b=a[0];
                for (i=1;i<n;i++){
                     if (a[i]>b){b=a[i];}
                printf("bilangan terbesarnya adalah %d", b);
                printf("/n");
    PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
    \label{lem:nathanael} \textbf{nathanael-Lenovo-G41-35:} \\ \sim \textbf{/dasprog/tugas} \ \ \textbf{g++} \ \ \textbf{maksimum.cpp -o maksimum nathanaelenovo-G41-35:} \\ \sim \textbf{/dasprog/tugas} \ \ \textbf{./maksimum}
    Masukkan banyak angka= 6
1 33 -99 45 23 102
    bilangan terbesarnya adalah 102/nnathanael@nathanael-Lenovo-G41-35:~/dasprog/tugas$
```

3. Pengurangan Matriks:

```
home > nathanael > dasprog > array > ⊙ penguranganmatriks.cpp > ⊙ main()
        int main(){
        int baris, kolom;
        printf("Masukkan jumlah baris = "); scanf("%d", &baris);
printf("Masukkan jumlah kolom = "); scanf("%d", &kolom);
int a[baris][kolom], b[baris][kolom],i,j, hasil;
             printf("Masukkan anggota matriks a=\n");
             for (i=0;i<baris;i++){</pre>
                  for (j=0; j< kolom; j++){
                        scanf("%d", &a[i][j]);
             printf("Masukkan anggota matriks b=\n");
             for (i=0;i<baris;i++){</pre>
                  for (j=0; j< kolom; j++){}
                        scanf("%d", &b[i][j]);
        for (i=0;i<baris;i++){</pre>
             for (j=0; j< kolom; j++){\{}
                  hasil=a[i][j]-b[i][j];
                  printf("%d ", hasil);
                  hasil=0;
             printf("\n");
```

```
nathanael@nathanael-Lenovo-G41-35:~/dasprog/array$ g++ penguranganmatri
nathanael@nathanael-Lenovo-G41-35:~/dasprog/array$ ./penguranganmatriks
Masukkan jumlah baris = 3
Masukkan jumlah kolom = 3
Masukkan anggota matriks a=
1 2 3 4 5 6 7 8 9
Masukkan anggota matriks b=
9 8 7 6 5 4 3 2 1
hasil pengurangannya adalah =
-8 -6 -4
-2 0 2
4 6 8
nathanael@nathanael-Lenovo-G41-35:~/dasprog/array$
```

Penjumlahan Matriks:

```
home > nathanael > dasprog > array > ♥ penjumlahanmatriks.cpp > ♦ main()
      //penjumlahan matriks
      #include <stdio.h>
      int main(){
      int baris, kolom;
           printf("Masukkan jumlah baris = "); scanf("%d", &baris);
           printf("Masukkan jumlah kolom = "); scanf("%d", &kolom);
      int a[baris][kolom], b[baris][kolom],i,j, hasil;
           printf("Masukkan anggota matriks a=\n");
           for (i=0;i<baris;i++){
               for (j=0;j<kolom;j++){
                   scanf("%d", &a[i][j]);
           }
           printf("Masukkan anggota matriks b=\n");
           for (i=0;i<baris;i++){
               for (j=0;j<kolom;j++){
                   scanf("%d", &b[i][j]);
           }
      printf("hasil penjumlahannya adalah =\n");
      for (i=0;i<baris;i++){
           for (j=0; j< kolom; j++){
               hasil=a[i][j]+b[i][j];
               printf("%d ", hasil);
               hasil=0;
          printf("\n");
        }
```

```
nathanael@nathanael-Lenovo-G41-35:~/dasprog/array$ g++ penjumlahanmatriks.cpp -o penjumlahanmatriks
nathanael@nathanael-Lenovo-G41-35:~/dasprog/array$ ./penjumlahanmatriks
Masukkan jumlah baris = 3
Masukkan jumlah kolom = 3
Masukkan anggota matriks a=
1 2 3 4 5 6 7 8 9
Masukkan anggota matriks b=
1 2 3 4 5 6 7 8 9
Masukkan anggota matriks b=
1 2 3 4 5 6 7 8 9
hasil penjumlahannya adalah =
2 4 6
8 10 12
14 16 18
nathanael@nathanael-Lenovo-G41-35:~/dasprog/array$

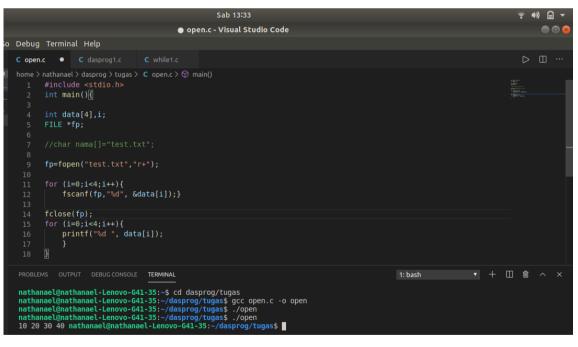
Ln 1, Col 1 Tab Size:
```

4. Reversed inputted value:

```
#include <stdio.h>
    int c=0;
    int fungsi (int a){
    int b;
    if (a<0){a=a*-1;
        printf("Setelah dibalik = -");}
    else {printf("Setelah dibalik = ");}

    while (a>0){
        b=a%10;
        c=c*10+b;
        a=a/10;}
    int main(){
        int main(){
        int main(){
        int main(){
        int main(){
        int main(){
        int main();
        int main();
```

5. Program membaca file:





Program menulis data ke file:

```
The standard of the standard
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