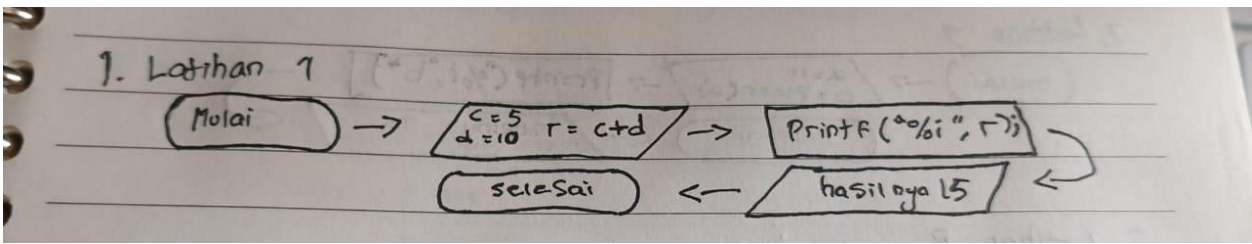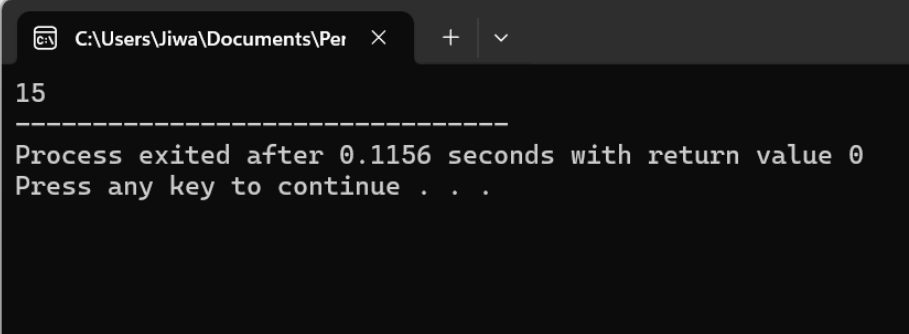# Muhammad Jiwa Islamutidar

01TPLP041

Algoritma Dan Pemrograman 1

Pertemuan 5

1. Nomor 1

```c
1  //Nama : Muhammad Jiwa Islamutidar
2  //Kelas : 01TPLP041
3  //Mata Kuliah : Algoritma Dan Pemrograman 1
4  //Perteuan 5
5
6  #include <stdio.h>
7
8  main ()
9  {
10     int c,d,r;
11     c = 5;
12     d = 10;
13     r = c + d;
14
15     printf ("%i", r);
16
17  }
```

```
C:\Users\Jiwa\Documents\Per    X    +    v

15
-----------------------------------
Process exited after 0.1156 seconds with return value 0
Press any key to continue . . .
```
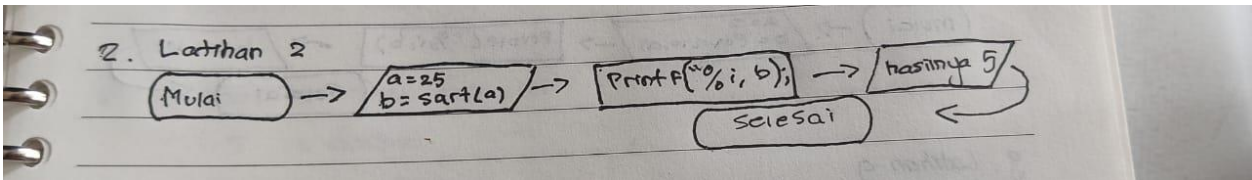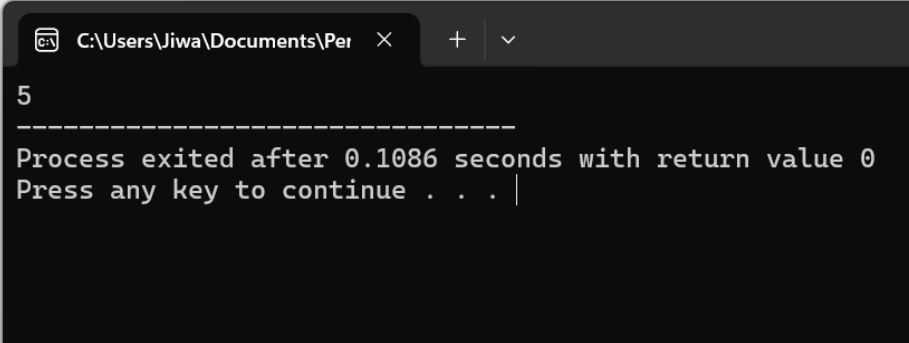

2. Nomor 2

```c
1  //Nama : Muhammad Jiwa Islamutidar
2  //Kelas : 01TPLP041
3  //Mata Kuliah : Algoritma Dan Pemrograman 1
4  //Perteuan 5
5
6  #include <stdio.h>
7  #include <math.h>
8
9  main ()
10  {
11     int a, b;
12     a = 25;
13     b = sqrt(a);
14
15     printf ("%i", b);
16
17  }
```

```
C:\Users\Jiwa\Documents\Per    X    +    v

5
-----------------------------------
Process exited after 0.1086 seconds with return value 0
Press any key to continue . . . |
```
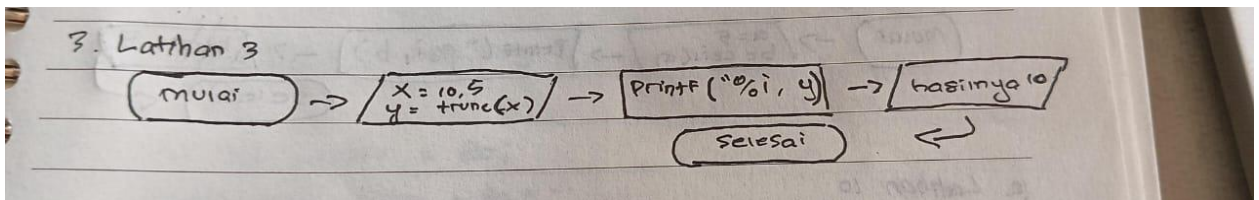
3. Nomor 3

```
1   //Nama : Muhammad Jiwa Islamutidar
2   //Kelas : 01TPLP041
3   //Mata Kuliah : Algoritma Dan Pemrograman 1
4   //Perteuan 5
5
6   #include <stdio.h>
7   #include <math.h>
8
9   main () {
10      int x, y;
11      x = 10.5;
12      y = trunc(x);
13
14      printf("%i", y);
15  }
```

```
C:\Users\Jiwa\Documents\Per  ✕    +    ∨

10
------------------------------------
Process exited after 0.07351 seconds with return value 0
Press any key to continue . . .
```


3. Latihan 3
mulai → X = 10,5 y = trunc(x) → Printf ("%i, y) → hasiinya 10 Selesai
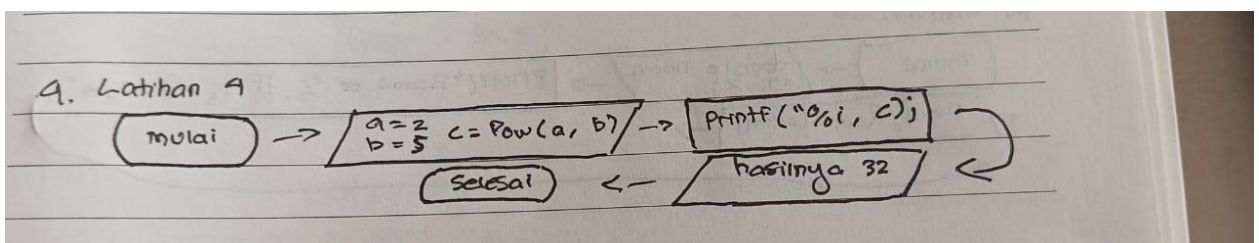
4. Nomor 4

```
1   //Nama : Muhammad Jiwa Islamutidar
2   //Kelas : 01TPLP041
3   //Mata Kuliah : Algoritma Dan Pemrograman 1
4   //Perteuan 5
5
6   #include <stdio.h>
7   #include <math.h>
8
9   main () {
10      int a, b, c;
11      a = 2;
12      b = 5;
13      c = pow(a, b);
14
15      printf ("%i", c);
16  }
```

```
C:\Users\Jiwa\Documents\Per  ✕    +    ∨

32
------------------------------------
Process exited after 0.08744 seconds with return value 0
Press any key to continue . . .
```
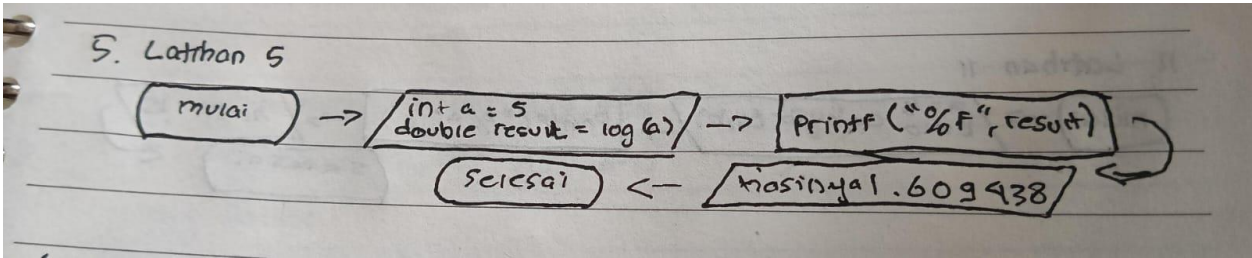

4. Latihan 4
mulai → a = 2 b = 5 c = Pow(a, b) → Printf ("%i, c); Selesai ← hasiinya 32

5. Nomor 5

```
1    //Nama : Muhammad Jiwa Islamutidar
2    //Kelas : 01TPLP041
3    //Mata Kuliah : Algoritma Dan Pemrograman 1
4    //Pertemuan 5
5
6    #include <stdio.h>
7    #include <math.h>
8
9    main () {
10       int a = 5;
11       double result = log(a);
12       printf("%f", result);
13   }
```
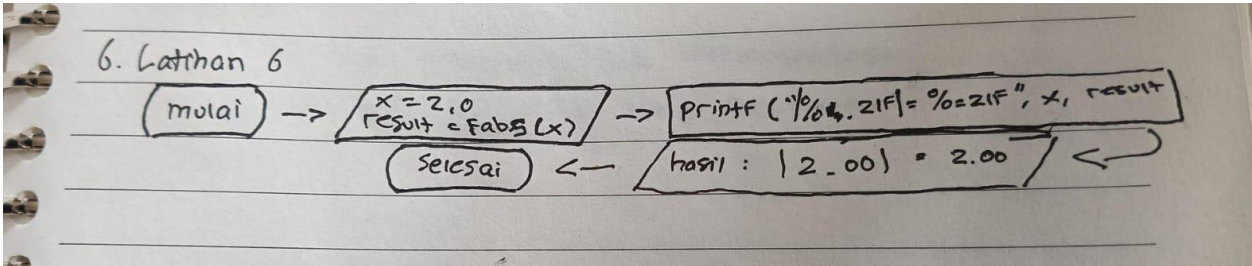
```
C:\Users\Jiwa\Documents\Per   ×   +   ⌄

1.609438
--------------------------------
Process exited after 0.07852 seconds with return value 0
Press any key to continue . . .
```


6. Nomor 6

```
Pertemuan5,1.cpp    Pertemuan5,2.cpp    Pertemuan5.3.cpp    Pertemuan5.4.cpp    Pertemuan5.5.cpp    Pertemuan5.6.cpp    Pertemuan5.7

1    //Nama : Muhammad Jiwa Islamutidar
2    //Kelas : 01TPLP041
3    //Mata Kuliah : Algoritma Dan Pemrograman 1
4    //Perteuan 5
5
6    #include <stdio.h>
7    #include <math.h>
8
9    main () {
10       double x, result;
11
12       x = 2,0;
13       result = fabs(x);
14       printf("|%.2lf| = %.2lf\n", x, result);
15   }
```
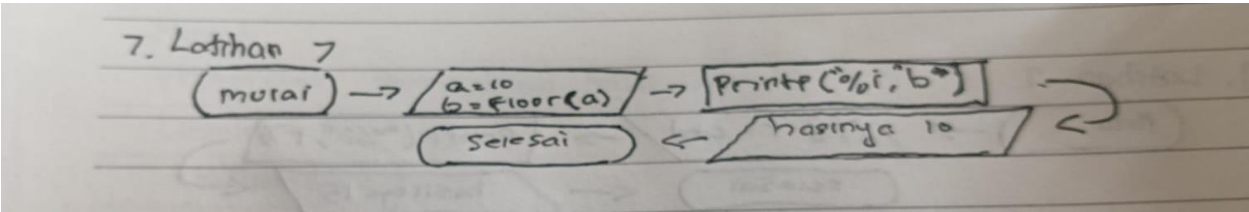
```
C:\Users\Jiwa\Documents\Per   ×   +   ⌄

|2.00| = 2.00
--------------------------------
Process exited after 0.08155 seconds with return value 0
Press any key to continue . . .
```


7. Nomor 7

```
Pertemuan5,1.cpp    Pertemuan5,2.cpp    Pertemu

1    //Nama : Muhammad Jiwa Islamutidar
2    //Kelas : 01TPLP041
3    //Mata Kuliah : Algoritma Dan Pemrograman 1
4    //Perteuan 5
5
6    #include <stdio.h>
7    #include <math.h>
8
9    main () {
10       int a, b;
11       a = 10;
12       b = floor(a);
13       printf("%i", b);
14   }
```
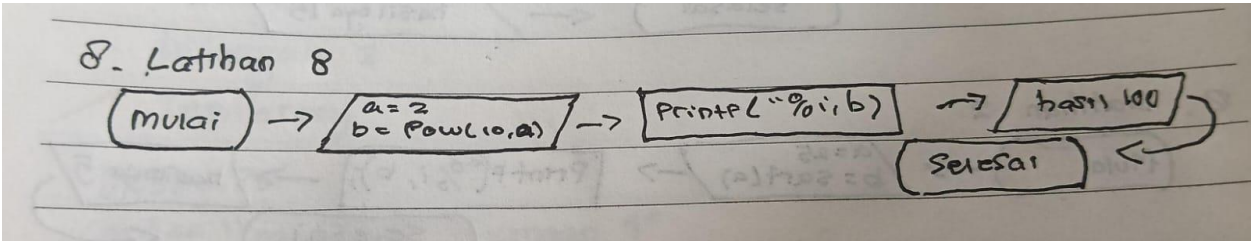
```
C:\Users\Jiwa\Documents\Per   ×   +   ⌄

10
--------------------------------
Process exited after 0.0762 seconds with return value 0
Press any key to continue . . .
```

7. Latihan 7

8. Nomor 8

```
Pertemmuan5,9.cpp
Pertemuan5,1.cpp    Pertemuan5,2.cpp    Pertemua
1    //Nama : Muhammad Jiwa Islamutidar
2    //Kelas : 01TPLP041
3    //Mata Kuliah : Algoritma Dan Pemrograman 1
4    //Perteuan 5
5
6    #include <stdio.h>
7    #include <math.h>
8
9    int main () {
10       int a, b;
11       a = 2;
12       b = pow(10, a);
13
14       printf ("%i", b);
15   }
```
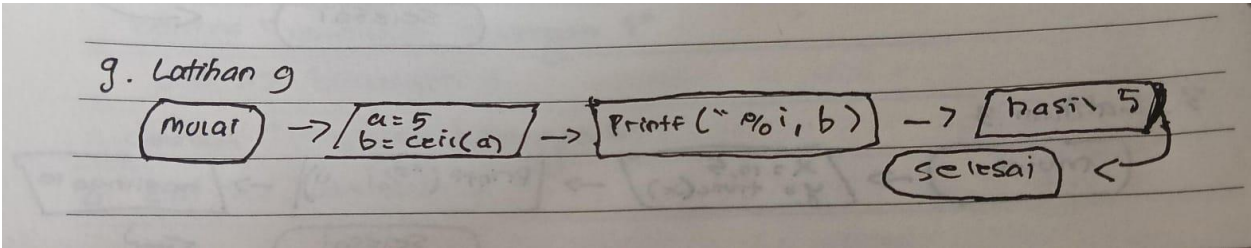
```
C:\Users\Jiwa\Documents\Per    X    +    v
100
------------------------------------
Process exited after 0.1295 seconds with return value 0
Press any key to continue . . .
```

8. Latihan 8

9. Nomor 9

```
Pertemuan5,1.cpp    Pertemuan5,2.cpp    Pertemuan5
                Pertemmuan5,9.cpp
1    //Nama : Muhammad Jiwa Islamutidar
2    //Kelas : 01TPLP041
3    //Mata Kuliah : Algoritma Dan Pemrograman 1
4    //Perteuan 5
5
6    #include <stdio.h>
7    #include <math.h>
8
9    main () {
10       int a, b, c;
11       a = 5;
12       b = 2;
13       c = ceil(a);
14
15       printf ("%i", c);
16   }
```

```
C:\Users\Jiwa\Documents\Per    X    +    v
5
------------------------------------
Process exited after 0.0695 seconds with return value 0
Press any key to continue . . .
```

9. Latihan 9

10. Nomor 10

```c
//Nama : Muhammad Jiwa Islamutidar
//Kelas : 01TPLP041
//Mata Kuliah : Algoritma Dan Pemrograman 1
//Perteuan 5

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

int main() {
    double num1 = 2.3;

    printf("Round of %.1f is %.0f\n", num1, round(num1));

}
```

```
Round of 2.3 is 2

-----------------------------------
Process exited after 0.07576 seconds with return value 0
Press any key to continue . . .
```


11. Nomor 11

```c
//Nama : Muhammad Jiwa Islamutidar
//Kelas : 01TPLP041
//Mata Kuliah : Algoritma Dan Pemrograman 1
//Perteuan 5

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

int main() {
    int a, b, c;
    a = 5;
    b = 10;

    c = hypot(a,b);

    printf("%f", c);
}
```

```
0.000000

-----------------------------------
Process exited after 0.1003 seconds with return value 0
Press any key to continue . . .
```