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Tugas : Algoritma & Pemrograman Pertemuan 11 – Tugas Mandiri

#### 1. a.

```
pertemuan 11 - 1 a. pdf.cpp
     #include<iostream>
                                                           III D:\Documents\File Dev C++\pertemuan 11 - 1 a. pdf.exe
                                                                                                             2
     using namespace std;
 3
 4
     int main()
                                                          Process exited after 0.08437 seconds with return value 0
Press any key to continue . . .
 5 ₽ {
           int i, j;
 6
 7
           for(i=0; i<=4; i+=2)
 8
 9 🖨
                 for(j=1; j<=8; j+=3)
10
11 🖨
                       cout<<<j<<" ";
12
13
                 cout<<endl;
14
15
16
```

I	J
1	1
	4
	7
4	1
	4
	7
7	1
	4
	7

## 1. b.

```
pertemuan 11 - 1 b. pdf.cpp
                                                        ■ D:\Documents\File Dev C++\pertemuan 11 - 1 b. pdf.exe
                                                                                                                 \times
      #include<iostream>
 2
      using namespace std;
 3
                                                       Process exited after 0.0796 seconds with return value 0
Press any key to continue . . .
      int main()
 4
 5 □ {
            int i, j;
 6
 7
            for(i=0; i<=4; i+=2)
 8
 9 🖨
                  for(j=1; j<=8; j+=3)
10
11 📮
                        cout<<<i<" ";
12
13
14
                  cout<<endl;</pre>
15
16 <sup>[</sup> }
```

I	J
0	0
	2
	4
2	0
	2
	4
4	0
	2
	4

#### 1. c.

```
pertemuan 11 - 1 c. pdf.cpp
                                                      ■ D:\Documents\File Dev C++\pertemuan 11 - 1 c. pdf.exe
                                                                                                        #include<iostream>
 2
     using namespace std;
 3
                                                    Process exited after 0.07044 seconds with return value 0
Press any key to continue . . .
 4
     int main()
 5 ₽ {
 6
            int t = 0, i, j;
 7
            for(i=0; i<=4; i+=2)
 8
 9 🖨
                 for(j=1; j<=8; j+=3)</pre>
10
11 🗦
                       cout<<t<" ";
12
13
14
                 cout<<endl;</pre>
15
16
    L }
```

I	J
0	0
	0
	0
0	0
	0
	0
0	0
	0
	0

```
pertemuan 11 - 1 d. pdf.cpp
                                                    ■ Select D:\Documents\File Dev C++\pertemuan 11 - 1 d. pdf.... —
                                                                                                            ×
                                                                                                       #include<iostream>
 1
                                                   12
24
36
 2
      using namespace std;
 3
                                                   Process exited after 0.06515 seconds with return value 0
Press any key to continue . . .
      int main()
 4
 5 ₽ {
            int t = 0, i, j;
 6
 7
            for(i=0; i<=4; i+=2)
 8
 9 🖨
                 for(j=1; j<=8; j+=3)</pre>
10
11 📮
12
                       t = t + j;
13
                  cout<<t<" "<<endl;
14
15
16 L }
```

I	J
1	1
	2
2	2
	4
3	3
	6

```
pertemuan 11 - 2.a.cpp
                                                    ■ D:\Documents\File Dev C++\pertemuan 11 - 2.a.exe
                                                                                                         ×
      #include<iostream>
                                                   12345
12345
 2
      using namespace std;
 3
                                                   Process exited after 0.0691 seconds with return value 0
Press any key to continue . . .
 4
      int main()
 5 □ {
            int i, j;
 6
 7
            for(i=1; i<=3; i++)
 8 🖨
 9
                  for(j=1; j<=5; j++)
10 🗎
11
                        cout<<j;
12
13
                  cout<<endl;
14
15 <sup>L</sup> }
```

### 2. b.

```
pertemuan 11 - 2.a.cpp pertemuan 11 - 2.b.cpp
                                                    D:\Documents\File Dev C++\pertemuan 11 - 2.b.exe
                                                                                                         ×
      #include<iostream>
 1
                                                   11111
22222
33333
 2
      using namespace std;
 3
                                                   Process exited after 0.0674 seconds with return value 0
Press any key to continue . . .
 4
      int main()
 5 □ {
            int i, j;
 6
            for(i=1; i<=3; i++)
 7
 8 🖨
 9
                  for(j=1; j<=5; j++)
10 □
11
                        cout<<i;
12
13
                  cout<<endl;
14
15
16
```

```
[*] pertemuan 11 - 2.c.cpp
                                                   ■ Select D:\Documents\File Dev C++\pertemuan 11 - 2.c.exe
                                                                                                                    X
                                                                                                               1
      #include<iostream>
      using namespace std;
 3
 4
      int main()
                                                  Process exited after 0.06941 seconds with return value 0
Press any key to continue . . .
 5 ₽ {
 6
            int i, j;
 7
            for(i=1; i<=5; i++)
 8 🖨
 9
                  for(j=i; j<=5; j++)</pre>
10 🖨
11
                        cout<<i;
12
13
                  cout<<endl;
14
15
```

# 2. d.

```
[*] pertemuan 11 - 2.d.cpp
                                                         ■ D:\Documents\File Dev C++\pertemuan 11 - 2.d.exe
                                                                                                              ×
                                                          2 3 4 5
7 8 9
11 12
14
 1
      #include<iostream>
 2
      using namespace std;
 3
 4
      int main()
                                                        Process exited after 0.06473 seconds with return value 0
Press any key to continue . . .
 5 □ {
 6
             int i, j, k =1;
 7
             for(i=1; i<=5; i++)
 8 🗦
 9
                   for(j=i; j<=5; j++)
10 🖨
                         cout<<k++<< " ";
11
12
13
                   cout<<endl;
14
15 <sup>L</sup> }
```

```
3.
```

```
pertemuan 11 - tugas mandiri.cpp
                                                                                                                        D:\Documents\File Dev C++\pertemuan 11 - tugas mandiri.exe
1 #include<iostream>
    using namespace std;
 3
 4
   int main()
5 ₽ {
 6
          int pinjaman = 10000000;
 7
          int total;
 8
          int result;
 9
          int bulan_ke = 2;
10
          int cicilan2;
11
          float cicilan = 0.10; // 10%
12
13
          float bunga = 0.015; // 1.5%
14
                                                                     rocess exited after 0.07944 seconds with return value 0 ress any key to continue . . .
15
          // pinjaman
          total = (pinjaman * bunga) + pinjaman;
16
          cicilan2 = total * cicilan;
result = total - cicilan2;
17
18
19
20
          cout<<"Pinjaman bulan ke-1 beserta bunganya: ";</pre>
21
          cout<<total<<" - "<<cicilan2<<" = "<<result<<endl;</pre>
22
23
          for (int i=0; i <= 100; i++)
24 🛱
               if(total > 1000000)
25
26 🖨
27
                    total
                             = result;
                    cicilan2 = total * cicilan;
28
29
                    result = total - cicilan2;
                    cout<<"Pinjaman bulan ke-"<<bulan_ke<<" beserta bunganya: ";
cout<<total<<" - "<<cicilan2<<" = "<<result<<endl;</pre>
30
31
32
                    // increment bulan
33
34
                    bulan_ke++;
35
36
37
```