

Soal 1

Nama = MUHAMMAD KHAIQ ZIQ

NIM = 120140233

Tipe = B

```
#include <iostream>
```

```
using namespace std;
```

```
struct data {
```

```
    int nomor, antrian, dokter;
```

```
    string nama;
```

```
    string dokter;
```

```
    string obat;
```

```
    string tanggal;
```

```
}
```

```
int main () {
```

```
    int n;
```

```
    cout << "Banyak pasien yang berobat: " << endl;
```

```
    cin >> n;
```

```
    data psn[n];
```

```
    for (int i = 0; i < n; i++) {
```

```
        cin >> psn[i].nomor;
```

```
        cin >> psn[i].nama;
```

```
        cin >> psn[i].dokter;
```

```
        cout << "umum atau BPJS" << endl;
```

```
        cin >> psn[i].jenis;
```

```
        cin >> psn[i].tanggal;
```

```
        cin >> psn[i].antrian;
```

```
        cin >> psn[i].dokter;
```

```
}
```

```
    string tanggal1;
```

```
    cin >> tanggal1;
```

```
    for (int i = 0; i < n; i++) {
```

```
        if (psn[i].tanggal == tanggal1)
```

```
        {
```

```
            cout << psn[i].nama << endl;
```

```
            cout << psn[i].antrian << endl;
```

```
        }
```

```
    }
```


no 3

```
#include <iostream>
using namespace std;
```

```
int namespace std;
```

```
int faktorial (int a) {
    if (a == 0 && a == 1) {
        return 1;
    } else if (a > 1) {
        return (a * faktorial (a-1));
    }
}
```

```
{
int main () {
    int x, y;
    float permutasi;
    cout << "masukkan x = ";
    cin >> x;
    cout << "masukkan y = ";
    cin >> y;

    cout << endl;
```

```
    Permutasi = faktorial (y) / (faktorial (y-x));
```

```
    cout << "Hasilnya adalah = " << permutasi << endl;
```

```
}
```


no 2

C. $a = \text{pow}(3, a);$
 $b = \text{pow}(3, b);$

D. $(n > a > b);$

E. $\text{Jwb} = \text{kubik}(a, b);$

A. $\text{IF}(\text{sum} == 1729) \{$

return true;

$\} \text{else} \{$

return false;

$\}$

B. $(\text{int } A, \text{int } B)$

no 4

X	total	dd	kk
9	-63	9	81
8	-69	2	16
7	-86	4	28
6	-90	2	12
5	-101	4	20
4	-103	2	8
3	-104	2	6
2	-104	2	4
1	-103	1	1