```c
#include <stdio.h>
#define max 5
#define true 1
#define false 0

int q[max];
int rear = -1;
int front = -1;
int b2 = 0;

void insert()
{
    int add;
    if (rear-b2 == max - 1)
    {
        printf("Queue Overflow (Queue Penuh Pak)");
    }
    else
    {
        printf("Masukkan nilai elemen Queue : ");
        scanf("%d", &add);
        rear = rear + 1;
        q[rear] = add;
        front = rear;
    }
}

void del()
{
    if (rear == b2 - 1)
    {
        printf("Queue Underflow (Queue Kosong Pak)");
    }
```

---

```c
    else
    {
        printf("Queue yang dihapus : --> %d\n", q[b2]);
        front= front - 1;
        b2 = b2 + 1;
    }
}

void display()
{
    int i;
    if (rear == b2 - 1)
    {
        printf("Queue Kosong!");
    }
    else
    {
        printf("Nilai elemen queue adalah : \n\n");
        for (i = rear; i >= b2; i--)
        {
            printf("\t%d ", q[i]);
            printf(" ");
        }
    }
}

int main(int argc, char **argv)
{
    int pilihan;
    while(1)
    {
```

Dev-C++ 5.11 — C:\Users\User\Desktop\yans.c

```c
        printf("==     Created by      ==\n");
        printf("== Septian Tri Saputra ==\n");
        printf("|  OPERASI QUEUE  |\n");
        printf("+_____+\n");
        printf("| 1. Input Queue  |\n");
        printf("| 2. Hapus Queue  |\n");
        printf("| 3. Cetak Queue  |\n");
        printf("| 4. Keluar       |\n");
        printf("+_____+\n");
        printf("Masukkan pilihan : "); scanf("%d", &pilihan);
        switch (pilihan)
        {
            case 1:
            {
                insert(); break;
            }
            case 2:
            {
                del(); break;
            }
            case 3:
            {
                display(); break;
            }
            case 4:
            {
                exit(1);
            }
            default:
            {
                printf("Salah pilih...\n");
            }
        }
    }
    return 0;
```

Compiler | Resources | Compile Log | Debug | Find Results

Line: 1   Col: 1   Sel: 0   Lines: 101   Length: 1583   Insert   Done parsing in 0,719 seconds

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C:\Users\User\Desktop\yans.exe

```
==     Created by      ==
== Septian Tri Saputra ==
|  OPERASI QUEUE  |
+_____+
| 1. Input Queue  |
| 2. Hapus Queue  |
| 3. Cetak Queue  |
| 4. Keluar       |
+_____+
Masukkan pilihan : 1
Masukkan nilai elemen Queue : 10

==     Created by      ==
== Septian Tri Saputra ==
|  OPERASI QUEUE  |
+_____+
| 1. Input Queue  |
| 2. Hapus Queue  |
| 3. Cetak Queue  |
| 4. Keluar       |
+_____+
Masukkan pilihan : 1
Masukkan nilai elemen Queue : 20

==     Created by      ==
== Septian Tri Saputra ==
|  OPERASI QUEUE  |
+_____+
| 1. Input Queue  |
| 2. Hapus Queue  |
| 3. Cetak Queue  |
| 4. Keluar       |
+_____+
Masukkan pilihan : 1
Masukkan nilai elemen Queue : 30
```

```
==      Created by      ==
== Septian Tri Saputra ==
¦  OPERASI QUEUE  ¦
+_____+
¦ 1. Input Queue ¦
¦ 2. Hapus Queue ¦
¦ 3. Cetak Queue ¦
¦ 4. Keluar      ¦
+_____+
Masukkan pilihan : 3
Nilai elemen queue adalah :
        30      20      10
```



```
==      Created by      ==
== Septian Tri Saputra ==
¦  OPERASI QUEUE  ¦
+_____+
¦ 1. Input Queue ¦
¦ 2. Hapus Queue ¦
¦ 3. Cetak Queue ¦
¦ 4. Keluar      ¦
+_____+
Masukkan pilihan : 2
Queue yang dihapus : --> 10
==      Created by      ==
== Septian Tri Saputra ==
¦  OPERASI QUEUE  ¦
+_____+
¦ 1. Input Queue ¦
¦ 2. Hapus Queue ¦
¦ 3. Cetak Queue ¦
¦ 4. Keluar      ¦
+_____+
Masukkan pilihan : 3
Nilai elemen queue adalah :
        30      20
```

# SEPTIAN TRI SAPUTRA

# 2015470054