

1. Nomor 1

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1. #include <stdio.h>
2. #include <stdlib.h>
3. #include <string.h>
4. #define MAX_STACK 10
5.
6. // 2501976503 - Fabian Habil Ramdhan
7. struct Paket {
8.     char nama[100];
9.     char alamatPengirim[100];
10.    char alamatPenerima[100];
11.    int berat;
12.};
13.
14. struct Paket Paket[MAX_STACK];
15. int top = -1;
16.
17. void enterToContinue() {
18.    printf("Enter untuk melanjutkan!");
19.    getchar();
20.}
21.
22. void push() {
23.    if (top == MAX_STACK - 1) {
24.        printf("Stack overflow\n");
25.        printf("Ingin clear antrian?\n");
26.        char check[10];
27.        printf("YES OR NO\n");
28.        scanf("%s", check);
29.        if (!strcmp(check, "YES")) {
30.            memset(Paket, 0, sizeof(Paket));
31.        }
32.        else {
33.            return;
34.        }
35.    }
36.    else {
37.        top++;
38.        printf("Nama? ");
39.        scanf(" %[^\n]", Paket[top].nama);
40.        printf("Alamat Pengirim? ");
41.        scanf(" %[^\n]", Paket[top].alamatPengirim);
42.        printf("Alamat Penerima? ");
43.        scanf(" %[^\n]", Paket[top].alamatPenerima);
44.        printf("Berat Paket? ");
45.        scanf("%d", &Paket[top].berat);
46.        getchar();
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92.         else if (choice == 4) {
93.             if (top == MAX_STACK - 1) {
94.                 printf("Kapasitas penuh!\n");
95.             }
96.             else {
97.                 printf("Belum penuh!\n");
98.             }
99.             enterToContinue();
100.        }
101.        else if (choice == 5) {
102.            if (top == -1) {
103.                printf("Masih kosong!\n");
104.            }
105.            else {
106.                for (int i = 0; i <= top; i++) {
107.                    printf("Pelanggan ke %d\n", i + 1);
108.                    printf("Nama : %s\n", Paket[i].nama);
109.                    printf("Alamat Pengirim : %s\n",
110.                        Paket[i].alamatPengirim);
111.                    printf("Alamat Penerima: %s\n",
112.                        Paket[i].alamatPenerima);
113.                    printf("Berat Paket : %d\n\n", Paket[i].berat);
114.                }
115.                enterToContinue();
116.            }
117.            else if (choice == 6) {
118.                printf("2501976503 - Fabian Habil Ramdhan");
119.                break;
120.            }
121.        }
122.        else {
123.            puts("Input Salah!");
124.            enterToContinue();
125.        }
126.    }
```