## 1. Nomor 1

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1. #include <stdio.h>
2. #include <stdlib.h>
3. #include <string.h>
4. #define MAX_STACK 10
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");
           scanf("%s", check);
28.
           if (!strcmp(check, "YES")) {
29.
               memset(Paket, 0, sizeof(Paket));
30.
31.
32.
           else {
33.
34.
35.
36.
37.
           top++;
38.
           printf("Nama? ");
           scanf(" %[^\n]", Paket[top].nama);
39.
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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47.
48.}
49.
50.int main() {
51.
       int valid = 0;
52.
       int choice;
53.
       int value;
54.
       while (1) {
55.
           system("cls");
56.
           puts("1. Masukkan Pelanggan");
57.
           puts("2. Cek Kapasitas");
           puts("3. Mengecek Paket yang terakhir");
58.
59.
           puts("4. Mengecek apakah gudang sudah penuh");
60.
           puts("5. Print semua Pelanggan");
           puts("6. Keluar");
61.
62.
63.
           printf("Menu: ");
           valid = scanf("%d", &choice);
64.
65.
           getchar();
           if (valid && (choice > 0 && choice <= 6)) {
66.
67.
               system("cls");
68.
               if (choice == 1) {
69.
                   push();
70.
71.
               else if (choice == 2) {
                   if (top == -1) {
72.
73.
                        printf("Masih kosong!\n");
74.
75.
                   else {
76.
                        printf("Kapasitas yang tersedia sekarang: %d\n", 10 - top
   - 1);
77.
78.
                   enterToContinue();
79.
               else if (choice == 3) {
80.
                   if (top == -1) {
81.
82.
                        printf("Masih kosong!\n");
83.
84.
85.
                        printf("Nama : %s\n", Paket[top].nama);
                        printf("Alamat Pengirim : %s\n",
86.
   Paket[top].alamatPengirim);
                        printf("Alamat Penerima: %s\n",
87.
   Paket[top].alamatPenerima);
88.
                        printf("Berat Paket : %d\n", Paket[top].berat);
89.
90.
                   enterToContinue();
91.
```

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92.
               else if (choice == 4) {
93.
                    if (top == MAX_STACK - 1) {
94.
                        printf("Kapasitas penuh!\n");
95.
96.
97.
                        printf("Belum penuh!\n");
98.
99.
                    enterToContinue();
100.
                      else if (choice == 5) {
101.
102.
                          if (top == -1) {
                              printf("Masih kosong!\n");
103.
104.
105.
                          else {
106.
                               for (int i = 0; i <= top; i++) {
                                   printf("Pelanggan ke %d\n", i + 1);
107.
                                   printf("Nama : %s\n", Paket[i].nama);
108.
                                   printf("Alamat Pengirim : %s\n",
109.
   Paket[i].alamatPengirim);
                                  printf("Alamat Penerima: %s\n",
110.
   Paket[i].alamatPenerima);
                                  printf("Berat Paket : %d\n\n", Paket[i].berat);
111.
112.
113.
114.
                          enterToContinue();
115.
                      else if (choice == 6) {
116.
117.
                          printf("2501976503 - Fabian Habil Ramdhan");
118.
                          break;
119.
120.
121.
                  else {
                      puts("Input Salah!");
122.
123.
                      enterToContinue();
124.
125.
126.
```