```
		switch (n) {
		case 1:
			if ((mutex == 1)
				&& (empty != 0)) {
				producer();
			}
			else {
				printf("Buffer is full!");
			}
			break;

		case 2:


			if ((mutex == 1)
				&& (full != 0)) {
				consumer();
			}


			else {
				printf("Buffer is empty!");
			}
			break;

				case 3:
			exit(0);
			break;
		}
	}
}
```

```
ubuntu@ubuntu: ~/Downloads
ubuntu@ubuntu:~/Downloads$ gcc bankers.c
ubuntu@ubuntu:~/Downloads$ ./a.out

1. Press 1 for Producer
2. Press 2 for Consumer
3. Press 3 for Exit
Enter your choice:1

Producer producesitem 1
Enter your choice:1

Producer producesitem 2
Enter your choice:2

Consumer consumes item 2
Enter your choice:2

Consumer consumes item 1
Enter your choice:2
Buffer is empty!
Enter your choice:3
ubuntu@ubuntu:~/Downloads$
```

```
        }

        if(flag==1)
        {
        printf("Following is the SAFE Sequence\n");
        for (i = 0; i < n - 1; i++)
                printf(" P%d ->", ans[i]);
        printf(" P%d", ans[n - 1]);
        }


        return (0);
}
```