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Course - BSC-IT

Q1 Code :

```
#include <stdio.h>
```

```
const int MAX = 10;
```

```
int ch, id = 0, front = -1, rear = -1,  
orders [MAX];
```

```
int addOrder (int data) {
```

```
    if (rear == -1)
```

```
    {
```

```
        front = rear = 0;
```

```
        orders [rear] = id;
```

```
        return 1;
```

```
    }
```

```
    else
```

```
    {
```

```
        int pos = (rear + 1) % MAX;
```

```
        if (pos == front)
```

```
        {
```

```
            printf("\n Cafe is full . Please wait . \n");
```

```
            return 0;
```

```
        }
```

```
    } else
```

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REDMI NOTE 8

SHOT BY AKANSHA


```
rear = pos;
```

```
orders[rear] = id;
```

```
return 1;
```

```
}
```

```
}
```

```
}
```

```
void serveOrders()
```

```
{
```

```
if (front == -1)
```

```
{
```

```
printf("\n No Orders in Cafe:
```

```
[Cafe is Empty]\n");
```

```
return;
```

```
}
```

```
else
```

```
{
```

```
printf("\n Order No.");
```

```
return 0;
```

```
}
```

Akangha Sunkari yal..