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

```
CLASSFULL
```

```
ADDRESSING
```

```
int main()
```

```
{
```

```
char ip[16];
```

```
int firstOctet;
```

```
printf("Enter an ip address:");
```

```
scanf("%s",ip);
```

```
scanf(ip,"%d",&firstOctet);
```

```
if(firstOctet>=0 &&firstOctet<=127)
```

```
{
```

```
printf("class A\n");
```

```
}
```

```
else if(firstOctet>=128 &&firstOctet<=191)
```

```
{
```

```
printf("class B\n");
```

```
}
```

```
else if(firstOctet>=192 &&firstOctet<=223)
```

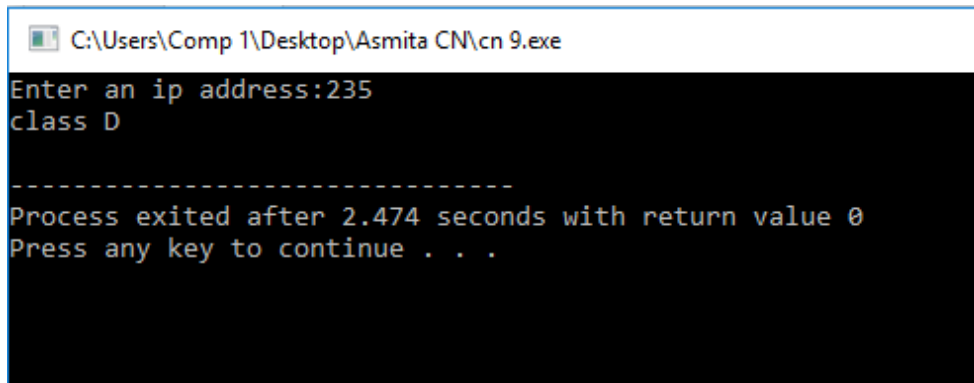
```
{
```

```
printf("class C\n");
```

```
}
```

```
else if(firstOctet>=224 &&firstOctet<=239)
{
printf("class D\n");
}
else if(firstOctet>=240 &&firstOctet<=255)
{
printf("class E\n");
}
else
{
printf("Invalid IP address\n");
}
return 0;
}
```

Output:



```
C:\Users\Comp 1\Desktop\Asmita CN\cn 9.exe
Enter an ip address:235
class D

-----
Process exited after 2.474 seconds with return value 0
Press any key to continue . . .
```