

```
//Answer on Question#39110 - Programming - C++
```

```
#include <iostream>
#include <conio.h>
#include <string>
```

```
using namespace std;
```

```
int main()
```

```
{
string part_number, part_second, part_three;
cout<<"Enter the part number : ";
getline(cin,part_number);
```

```
bool ok = true;
```

```
if (part_number[0] != 'A' && part_number[0] != 'B' && part_number[0] != 'C')
{
    ok = false;
}
```

```
int number = 0;
```

```
if (((int)part_number[1]-48) >= 0 && ((int)part_number[1]-48) <=9)
{
    number += (int)part_number[1]-48;
    number *=10;
}
```

```
else
{
    ok = false;
}
```

```
if ( ( (int)part_number[2]-48 ) >= 0 && ( (int)part_number[2]-48) <=9 )
{
    number += (int)part_number[2]-48;
}
```

```
else
{
    ok = false;
}
```

```
if (number <= 10 || number >= 49)
{
    ok = false;
}
```

```
if ((int)part_number[3] < 97 || (int)part_number[3] > 122)
{
    ok = false;
}
```

```
int number2;
```

```
if (((int)part_number[4]-48) >= 0 && ((int)part_number[4]-48) <=9)
{
    number2 += (int)part_number[4]-48;
    number2 *=10;
}
```

```
else
{
```

```
    ok = false;
}

if ( ( (int)part_number[5]-48 ) >= 0 && ( (int)part_number[5]-48) <=9 )
{
    number2 += (int)part_number[5]-48;
}
else
{
    ok = false;
}

if (number2 <= 22 || number2 >= 66)
{
    ok = false;
}

if (ok)
{
    cout<<"Part number is valid!"<<endl;
}
else
{
    cout<<"Part number is not valid!"<<endl;
}

    _getch();
    return 0;
}
```