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Reg No:- 18PW CSE

Quiz No:- 4

SECTION:- A

10

Question:-

Write a program that takes an integer as input from user and display if the number is plandrom or not.

NOTE:- Your program should use a function for palindrom which returns true if the argument is plandrom return false.

```
#include <iostream>
```

```
using namespace std;
```

```
bool plandrom (int);
```

```
int main ()
```

```
{
```

```
    int num;
```

```
    cout << "Enter a number whether  
it is a plandrom or not?\n";
```

```
    cin >> num;
```

```
    if (plandrom (num))
```

```
        cout << "The integer is plandrom";
```

```
    else
```

```
        cout << "The integer is not palindrom";
```

```
    return 0;
```

```
}
```

```
bool isPalindrom (int a)
```

```
{
```

```
    int t, s = 0;
```

```
    int t-a = a; // t-a = temporary a
```

```
    while (a != 0)
```

```
{
```

```
        r = a % 10;
```

```
        s = s * 10 + r;
```

```
        a = a / 10;
```

```
    }
```

```
    if (t-a == s)
```

```
        return 1;
```

```
    else
```

```
        return 0;
```

```
}
```

12*

②①

$s = 10 + 2$
 $= 12$

