

```
/*
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Course: CSCI-136
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Assignment: Homework 4.9, e.g., Lab1C
```

```
Homework 4.9
*/
```

Self-Check

5.

Find the position of the first digit in a string
Find the position of the first non-digit after a given position
Extract the first integer from a string
Print all integers from a string

Practice It

1.

```
bool found = false;
string target = str.substr(0, 1);
int position = 1;
while (!found && position < str.length())
{
    string ch = str.substr(position, 1);
    if (ch == target) { found = true; }
    else { position++; }
}
if (!found) { cout << target << endl; }
```

2.

```
bool found = false;
string ch = "?";
int position = 0;
string target = str.substr(i, 1);
while (!found && position < str.length())
{
    ch = str.substr(position, 1);
    if (ch == target && position != i) { found = true; }
```

```
else { position++; }  
}  
if (!found) { cout << target << endl; }
```

3.

```
for (int i = 0; i < str.length(); i++)  
{  
    string target = str.substr(i, 1);  
    bool found = false;  
    int position = 0;  
    while (!found && position < str.length())  
    {  
        string ch = str.substr(position, 1);  
        if (ch == target && position != i) { found = true; }  
        else { position++; }  
    }  
    if (!found) { cout << target << endl; }  
}
```