

Aim:

To explore the features provided by Eclipse with Redhat cloud account and create Password using C++ Program Language.

Concept:

Eclipse Che hosted by Red Hat is an open source product based on Eclipse Che that is running on OpenShift Dedicated. The new service is part of the Developer Sandbox for Red Hat OpenShift offering, and is using CodeReady Workspaces, which is built upon Eclipse Che and is optimized for Red Hat OpenShift and Red Hat Linux.

Process/Procedure:

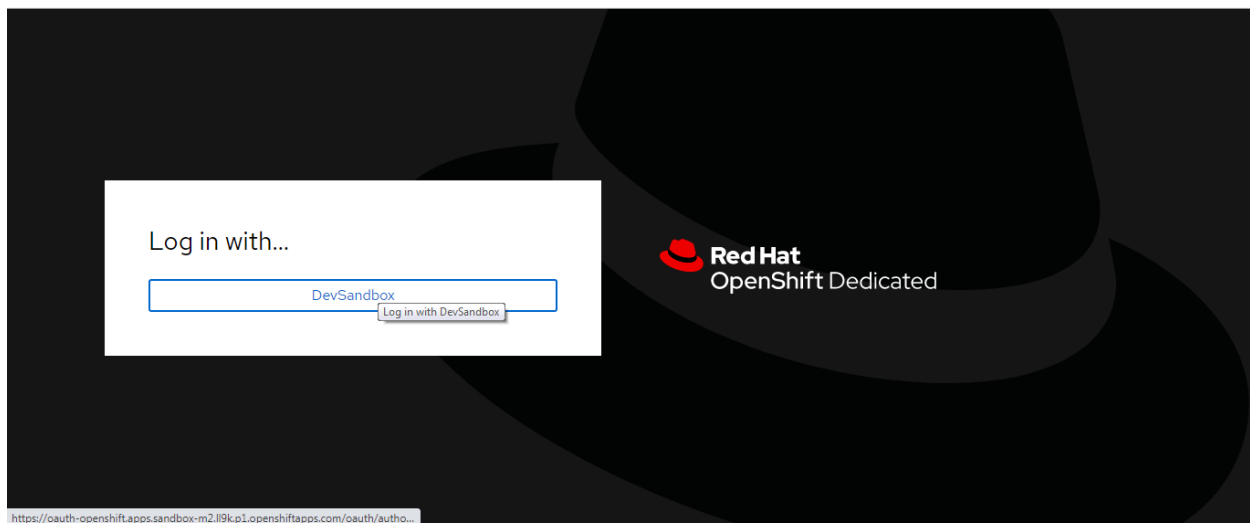
1. Start <https://www.eclipse.org/che/getting-started/cloud/>
2. Try eclipse che online in cloud platform
3. Click any programming language icon.
4. Create an account in redhat sandbox
5. Launch our developer sandbox

Experiment

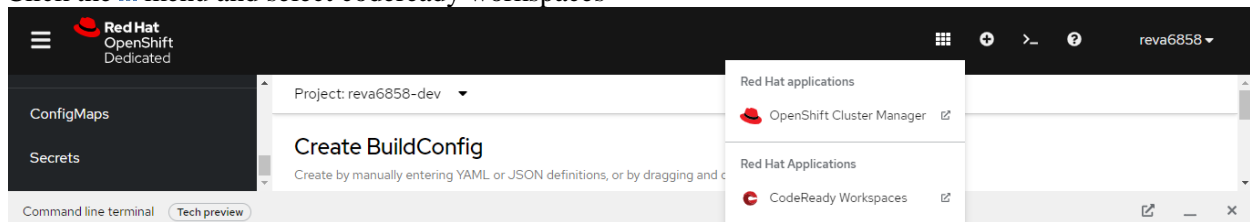
Step 1: Go to the link <https://www.eclipse.org/che/getting-started/cloud/>

Step 2: Select any programming language.

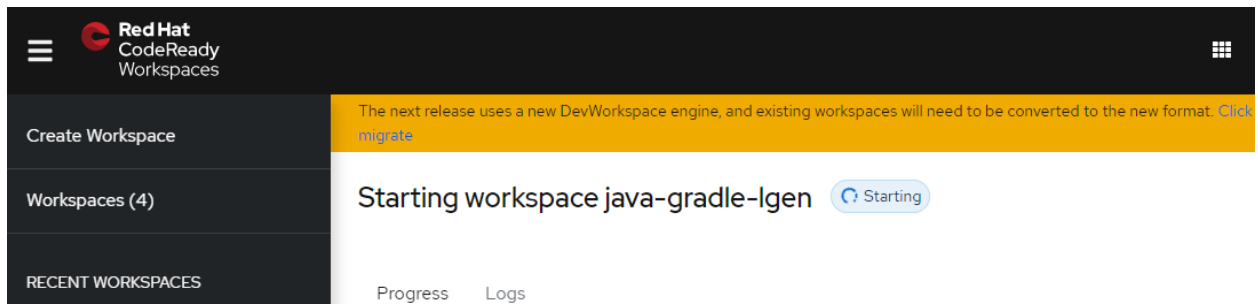
Step 3: Click the DevSandbox



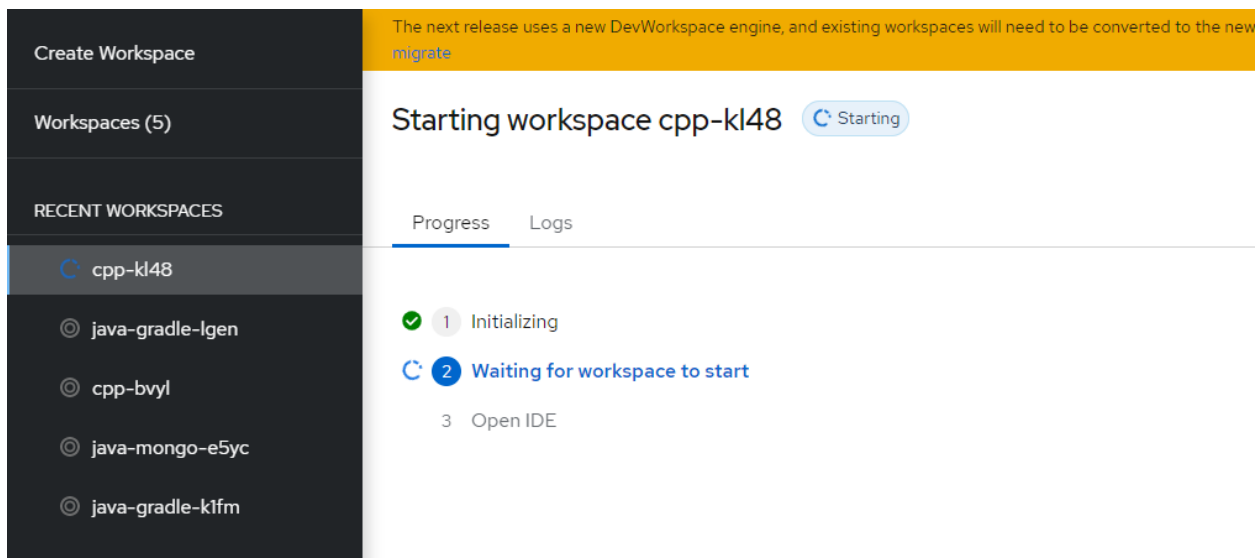
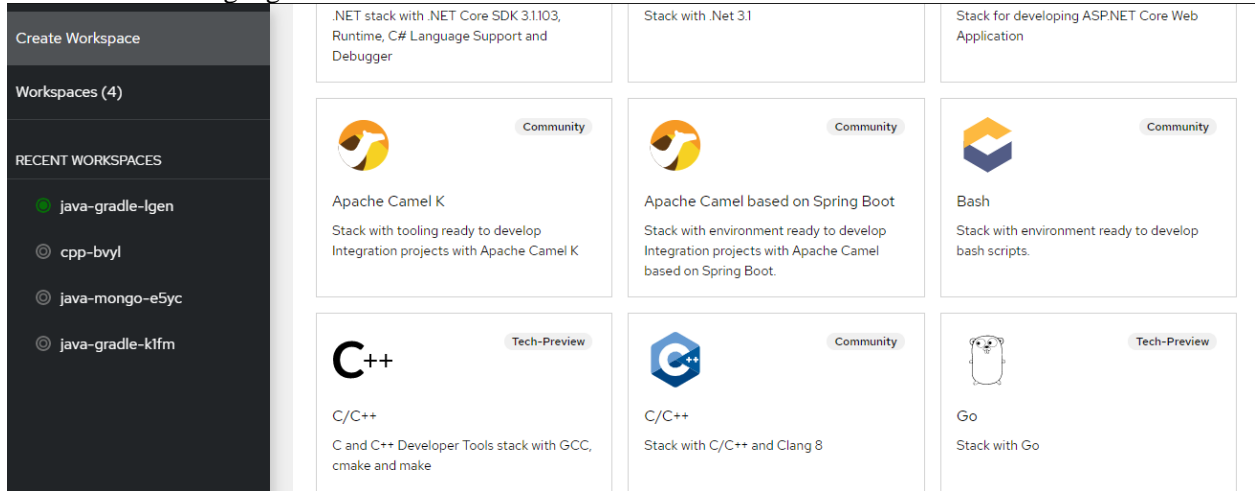
Step 4: Click the ☰ menu and select codeready workspaces



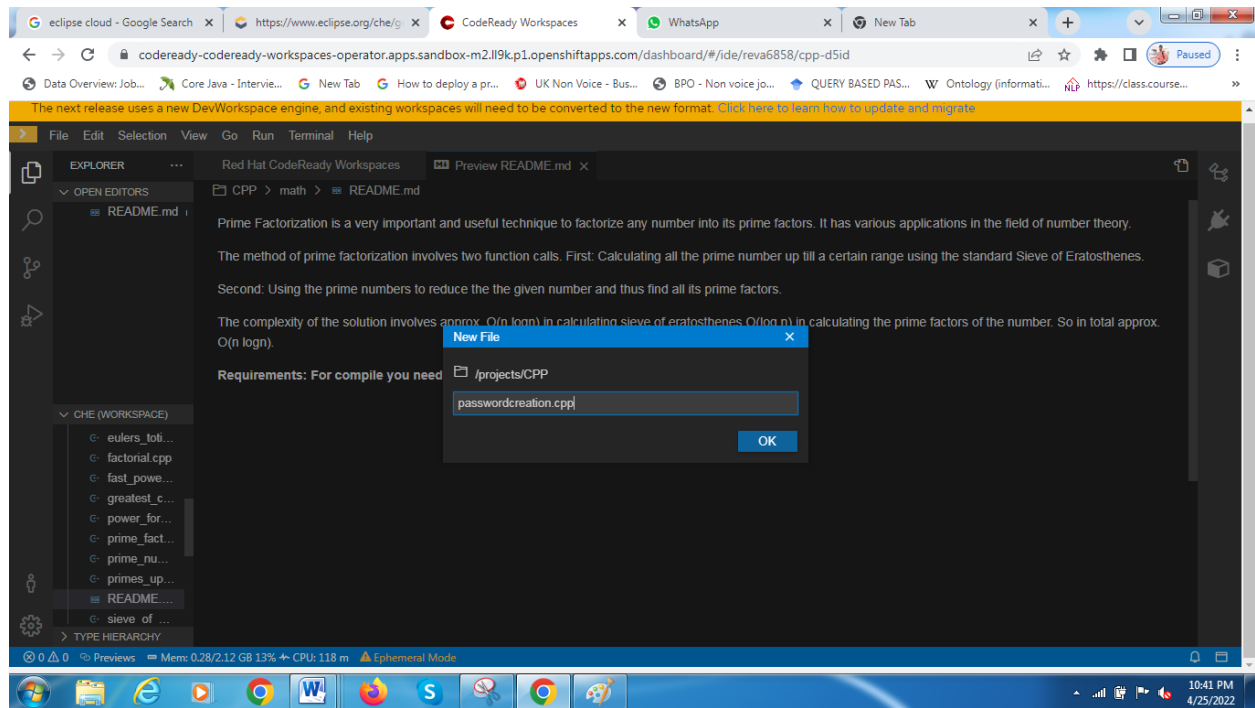
Step 5: Click create workspace in the left side menu



Step 6: Select the C++ language



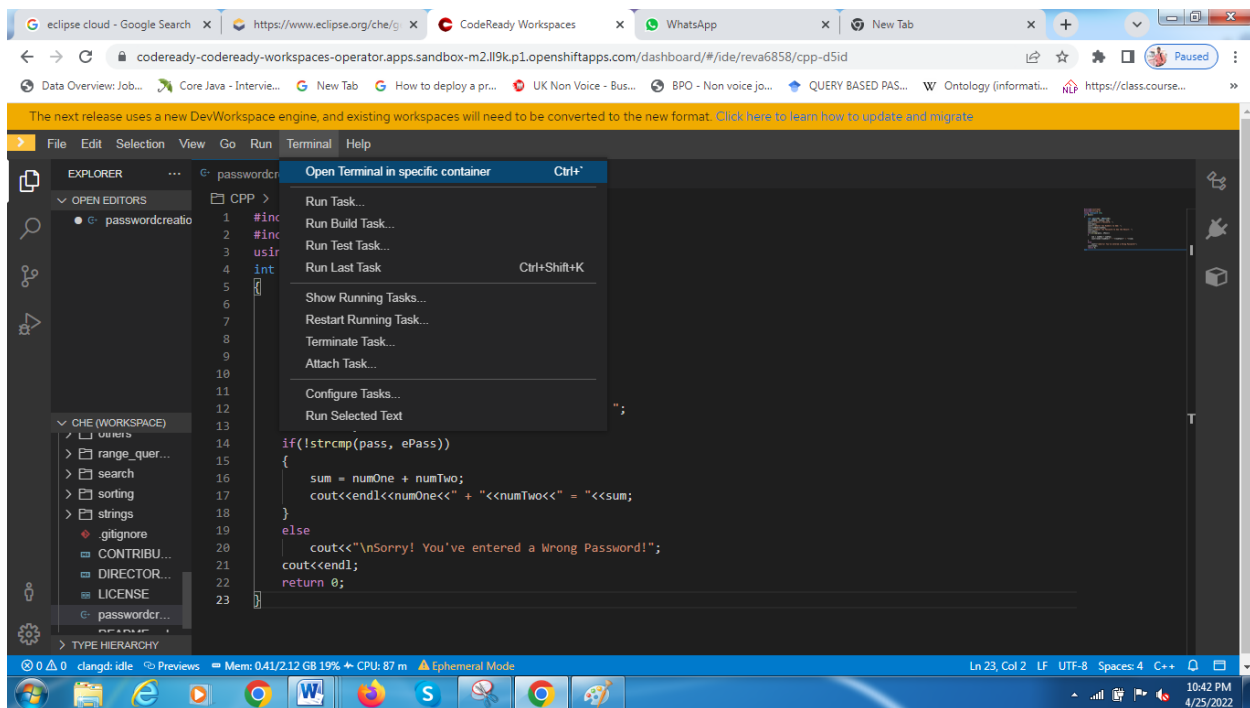
Step 7: Go to File menu → select new → Name the file name (.cpp)



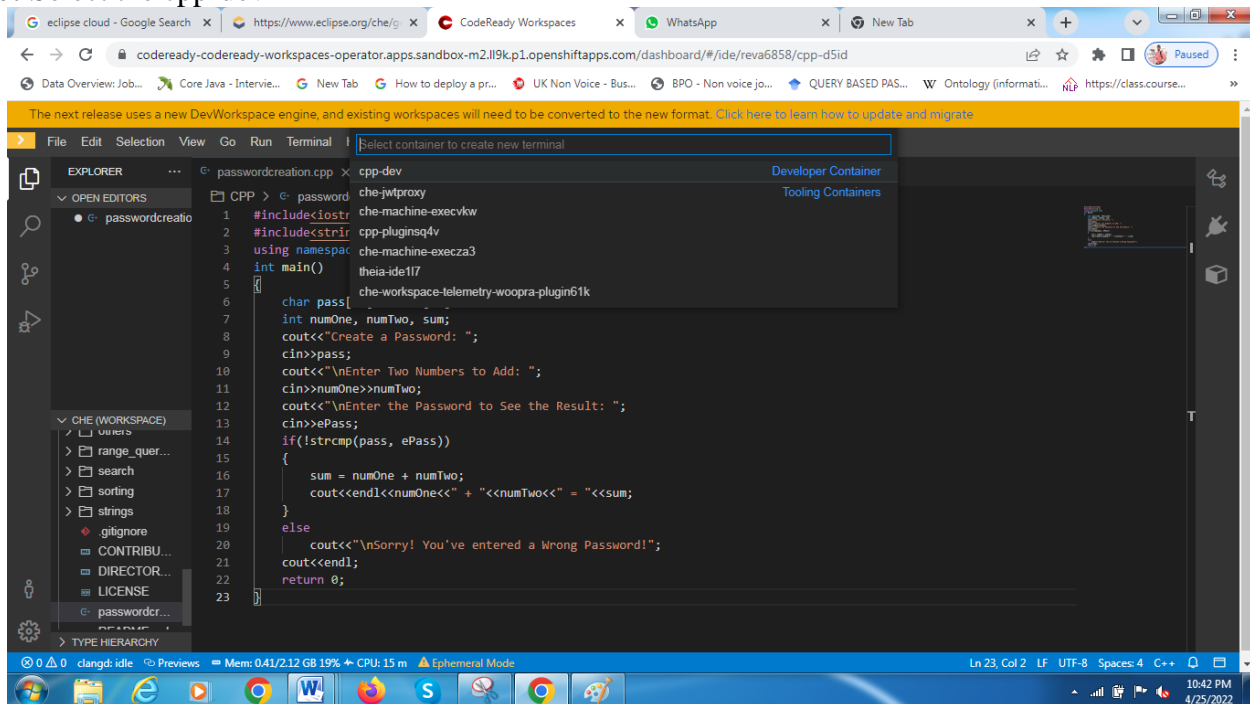
Step 8: Type the password creation C++ program

```
#include<iostream>
#include<string.h>
using namespace std;
int main()
{
    char pass[20], ePass[20];
    int numOne, numTwo, sum;
    cout<<"Create a Password: ";
    cin>>pass;
    cout<<"\nEnter Two Numbers to Add: ";
    cin>>numOne>>numTwo;
    cout<<"\nEnter the Password to See the Result: ";
    cin>>ePass;
    if(!strcmp(pass, ePass))
    {
        sum = numOne + numTwo;
        cout<<endl<<numOne<<" + "<<numTwo<<" = "<<sum;
    }
    else
        cout<<"\nSorry! You've entered a Wrong Password!";
    cout<<endl;
    return 0;
}
```

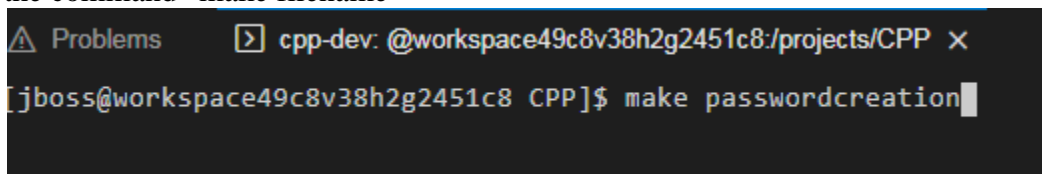
Step 9: Run the program using terminal



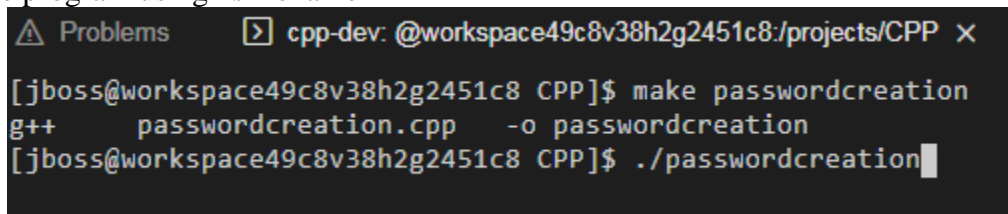
Step 10: Select the cpp-dev



Step 11: Type the command “make filename”



Step 12: Run the program using “./filename”



OUTPUT:

```
[jboss@workspace49c8v38h2g2451c8 CPP]$ ./passwordcreation
Create a Password: 1234

Enter Two Numbers to Add: 1 5

Enter the Password to See the Result: 1234

1 + 5 = 6
[jboss@workspace49c8v38h2g2451c8 CPP]$
```

Results:

Using the above steps services offered by Eclipse with Redhat cloud environment for develop and run the C++ Program.