

Practical 1.(a)

Aim: Write a C++ program to create a simple calculator.

Algorithm:(i)Start

(ii)Main function

(iii)Print the result

(iv)Stop

Theory:In this practical,we will see a C++ program to create a simple calculator.

Program:

```
#include <iostream>
```

```
int main()
```

```
{
```

```
float numOne,numTwo,res;
```

```
int choice;
```

```
do
```

```
{
```

```
std::cout<<"08_Rabin Nadar\n";
```

```
std::cout<<"_____ \n";
```

```
std::cout<<"1.Addition\n";
```

```
std::cout<<"2.Subtraction\n";
```

```
std::cout<<"3.Multiplication\n";  
std::cout<<"4.Division\n";  
std::cout<<"5.Exit\n\n";  
std::cout<<"Enter Your Choice(1-5):";  
std::cin>>choice;
```

```
if(choice>=1 && choice<=4)
{
std::cout<<"\nEnter any two Numbers: ";
std::cin>>numOne>>numTwo;
}
switch(choice)
{
case 1:
res=numOne+numTwo;
std::cout<<"\nResult= "<<res;
break;
case 2:
res=numOne-numTwo;
std::cout<<"\nResult= "<<res;
break;
case 3:
res=numOne*numTwo;
std::cout<<"\nResult= "<<res;
break;
```

```
case 4:
res=numOne/numTwo;
std::cout<<"\nResult= "<<res;
break;

case 5:
exit;

default:
std::cout<<"\nWrong Choice!";
break;

}

std::cout<<"\n_____ \n";
} while(choice!=5);
std::cout;
getc;
}
```

Output:

Link to this code: [\[copy\]](#)

options compilation execution

08_Rabin Nadar

1.Addition
2.Subtraction
3.Multiplication
4.Division
5.Exit

Enter Your Choice(1-5):1

Enter any two Numbers: 2 2

Result= 4

08_Rabin Nadar

1.Addition
2.Subtraction
3.Multiplication
4.Division
5.Exit

Enter Your Choice(1-5):2

Enter any two Numbers: 2 2

Result= 0

08_Rabin Nadar

1.Addition
2.Subtraction
3.Multiplication
4.Division
5.Exit

Enter Your Choice(1-5):3

Enter any two Numbers: 5 5



```
-----  
1.Addition  
2.Subtraction  
3.Multiplication  
4.Division  
5.Exit  
  
Enter Your Choice(1-5):3  
  
Enter any two Numbers: 5 5  
  
Result= 25  
-----  
08_Rabin Nadar  
-----  
1.Addition  
2.Subtraction  
3.Multiplication  
4.Division  
5.Exit  
  
Enter Your Choice(1-5):4  
  
Enter any two Numbers: 5 4  
  
Result= 1.25  
-----  
08_Rabin Nadar  
-----  
1.Addition  
2.Subtraction  
3.Multiplication  
4.Division  
5.Exit  
  
Enter Your Choice(1-5):5  
  
Wrong Choice!  
-----  
Normal program termination. Exit status: 0
```

Conclusion:

We have successfully written the code and executed it.