C++

ASSIGNMENT2 (240850320029)

#include <iostream></iostream>
using namespace std;
void primeOrNot(int a);
void primeNumbers(int a);
void alphaPyramid(int a);
void addition();
void substraction();
void multiplication();
void division();
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void numPyramid(int a);
int main(){
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cout<<" Enter your choice: "<<endl;
cin>>choice;
switch (choice)
case 1: addition();
  break;
case 2: substraction();
  break;
case 3: multiplication();
  break;
case 4: division();
  break;
case 5: cout<<" Good Bye!!! "<<endl;
 break;
default: cout<<" Invalid choice...Please choose a valid option"<<endl;
  break;
}
}while (choice!=5);
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return 0;
}
void primeOrNot(int n){
int i,count=0;
for(i=1;i<=n;i++){
  if(n%i==0)
  count++;
}
if(count==2)
cout<< n << " is a prime number"<<endl;</pre>
else
cout<< n << " is not a prime number"<<endl;</pre>
}
void primeNumbers(int n){
int i, x=2;
 cout<<"prime numbers upto "<<n<<endl;</pre>
  while(n){
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for( i=2;i<x;i++)
    if(x%i==0)
    break;
    if(i==x){
    cout<< x << " ";
    n--;
    }
    χ++;
  }
}
void alphaPyramid(int n){
char c='A';
  for(int i=1;i<=n;i++){
    c='A';
    for(int j=1;j<=i;j++)\{
      // cout<< j << " ";
      cout<< c << " ";
       C++;
    }
     cout<<endl;
  }
```

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}
void addition(){
int n1,n2;
  cout<<" Enter a first number"<<endl;</pre>
  cin>>n1;
  cout<<" Enter a second number"<<endl;</pre>
  cin>>n2;
  int res = n1+n2;
  cout<<"Addtion of "<<n1<<" and "<<n2<<" is "<<res<<endl;
}
void substraction(){
int n1,n2;
  cout<<" Enter a first number"<<endl;</pre>
  cin>>n1;
  cout<<" Enter a second number"<<endl;</pre>
  cin>>n2;
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int res = n1-n2;
  cout<<"Substraction of "<<n1<<" and "<<n2<<" is "<<res<<endl;
}
void multiplication(){
int n1,n2;
  cout<<" Enter a first number"<<endl;</pre>
  cin>>n1;
  cout<<" Enter a second number"<<endl;</pre>
  cin>>n2;
  int res = n1*n2;
  cout<<"Multiplication of "<<n1<<" and "<<n2<<" is "<<res<<endl;
}
void division(){
int n1,n2;
  cout<<" Enter a first number"<<endl;</pre>
  cin>>n1;
```

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cout<<" Enter a second number"<<endl;</pre>
  cin>>n2;
  int res = n1/n2;
  cout<<"Division of "<<n1<<" and "<<n2<<" is "<<res<<endl;
}
void numPyramid(int n){
  for(int i=1;i<=n;i++){
    for(int j=1;j<=i;j++){
       cout<< j << " ";
    }
     cout<<endl;
  }
}
```