
Subject: array of function pointer

Posted by [varu](#) on Sat, 05 May 2012 11:08:38 GMT

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hi

i am doing something similar as show below in c . can u please help me to do the same in u++

```
#include <stdio.h>
```

```
int sum(int a, int b);
```

```
int subtract(int a, int b);
```

```
int main(void)
```

```
{  
    p[0] = sum; // address of sum()  
  
    p[1] = subtract; // address of subtract()  
  
    int result;  
  
    int i = 2, j = 2, op;  
  
    printf("0: Add, 1: Subtract\n");  
  
    do {  
        printf("Enter number of operation: ");  
  
        scanf("%d", &op);  
  
    } while(op<0 || op>2);  
  
    result = (*p[op]) (i, j);  
  
    printf("%d", result);  
  
    return 0;  
  
}
```

```
int sum(int a, int b)
```

```
{  
    return a + b;  
}  
  
int subtract(int a, int b)  
{  
    return a - b;  
}
```

Subject: Re: array of function pointer
Posted by [navi](#) on Tue, 08 May 2012 09:05:22 GMT
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U++ is C/C++; U++ is not a new language its a new cross platform GUI Framework using the C++.
See the U++ Overview page to learn what is U++

In your code you did not declare any 'p'. also 'p's should be assigned the '&' of the functions.
attached binary is compiled using MinGW compiler with U++

```
int (*p[2])(int,int);  
  
p[0] = &sum; // address of sum()  
p[1] = &subtract; // address of subtract()
```

```
#include "stdio.h"
```

```
int sum(int a, int b);  
int subtract(int a, int b);
```

```
int main(int argc, const char *argv[]){  
    int (*p[2])(int,int);  
    int result;  
    int i = 2, j = 3, op;
```

```
    p[0] = &sum; // address of sum()
```

```
p[1] = &subtract; // address of subtract()
```

```
printf("0: Add, 1: Subtract\n");  
do {  
    printf("Enter number of operation: ");  
    scanf("%d", &op);  
} while(op<0 || op>2);  
result = (*p[op])(i, j);  
printf("%d", result);  
return 0;  
}
```

```
int sum(int a, int b){  
    return a + b;  
}
```

```
int subtract(int a, int b){  
    return a - b;  
}
```

File Attachments

1) [ConsoleApp.zip](#), downloaded 258 times
