

```

#include <jni.h>
#include <stdio.h>
#include "B1.h"
JNIEXPORT int JNICALL Java_B1_add(JNIEnv *env, jobject obj, jint a,
jint b)
{
printf("\n%d + %d = %d\n",a,b,(a+b));
return;
}
JNIEXPORT int JNICALL Java_B1_sub(JNIEnv *env, jobject obj, jint a,
jint b)
{
printf("\n%d - %d = %d\n",a,b,(a-b));
return;
}
JNIEXPORT int JNICALL Java_B1_mult(JNIEnv *env, jobject obj, jint a,
jint b)
{
printf("\n%d * %d = %d\n",a,b,(a*b));
return;
}
JNIEXPORT int JNICALL Java_B1_div(JNIEnv *env, jobject obj, jint a,
jint b)
{
printf("\n%d / %d = %d\n",a,b,(a/b));
return;
}

```

```

#ifndef _Included_B1
#define _Included_B1
#ifdef __cplusplus
extern "C" {
#endif
/*
 * Class:      B1
 * Method:     add
 * Signature:  (II)I
 */
JNIEXPORT jint JNICALL Java_B1_add
(JNIEnv *, jobject, jint, jint);

/*
 * Class:      B1
 * Method:     sub
 * Signature:  (II)I
 */
JNIEXPORT jint JNICALL Java_B1_sub
(JNIEnv *, jobject, jint, jint);

/*
 * Class:      B1
 * Method:     mult
 * Signature:  (II)I
 */
JNIEXPORT jint JNICALL Java_B1_mult
(JNIEnv *, jobject, jint, jint);

/*
 * Class:      B1

```

```

* Method:      div
* Signature:   (II)I
*/
JNIEXPORT jint JNICALL Java_B1_div
    (JNIEnv *, jobject, jint, jint);

#ifdef __cplusplus
}
#endif
#endif

import java.io.*;
import java.util.*;
class B1 {
static {
System.loadLibrary("B1");
}
private native int add(int a, int b);
private native int sub(int a, int b);
private native int mult(int a, int b);
private native int div(int a, int b);
public static void main(String[] args) {
Scanner sc=new Scanner(System.in);
int a, b,ch;
System.out.println("\nEnter value of a : ");
a = sc.nextInt();
System.out.println("\nEnter value of b : ");
b = sc.nextInt();
do
{
System.out.println("\nENTER YOUR CHOICE : ");
ch = sc.nextInt();
switch(ch)
{
case 1 : new B1().add(a,b);
break;
case 2 : new B1().sub(a,b);
break;
case 3 : new B1().mult(a,b);
break;
case 4 : new B1().div(a,b);
break;
default : System.out.println("Your choice is wrong.");
}
}while(ch<5);
}
}

```

## Output

```
Activities  Terminal  Oct 18 14:55
Terminal
Untitled5.ipynb
'Untitled Folder'
Untitled.ipynb
untitled.txt
Vicks
Videos
ubuntu@ubuntu-Vostro-460:~$ java -classpath . -Djava.library.path=. B1
Enter value of a :
20
Enter value of b :
22
ENTER YOUR CHOICE :
1
20 + 22 = 42
ENTER YOUR CHOICE :
2
20 - 22 = -2
ENTER YOUR CHOICE :
3
20 * 22 = 440
ENTER YOUR CHOICE :
4
20 / 22 = 0
ENTER YOUR CHOICE :
5
Your choice is wrong.
ubuntu@ubuntu-Vostro-460:~$
```