B1.c

#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;

}

B1.java

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:

(base) admin1@413-24:~$ javac B1.java

(base) admin1@413-24:~$ javah -jni B1

(base) admin1@413-24:~$ locate jni.h

/home/admin1/.vscode/extensions/redhat.java-1.32.0-linux-x64/jre/17.0.11-linux-x86\_64/include/jni.h

/home/admin1/.vscode/extensions/redhat.java-1.33.0-linux-x64/jre/17.0.11-linux-x86\_64/include/jni.h

/opt/android-studio/jre/include/jni.h

/snap/intellij-idea-community/495/jbr/include/jni.h

/snap/intellij-idea-community/515/jbr/include/jni.h

/snap/vlc/3721/usr/lib/jvm/java-8-openjdk-amd64/include/jni.h

/snap/vlc/3777/usr/lib/jvm/java-8-openjdk-amd64/include/jni.h

/usr/lib/jvm/java-11-openjdk-amd64/include/jni.h

/usr/lib/jvm/java-8-openjdk-amd64/include/jni.h

/usr/lib/jvm/java-8-oracle/include/jni.h

/usr/local/java/jdk1.8.0\_181/include/jni.h

(base) admin1@413-24:~$ gcc -I/usr/lib/jvm/java-8-openjdk-amd64/include -I/usr/lib/jvm/java-8-openjdk-amd64/include/linux -o libB1.so -shared -fPIC B1.c

(base) admin1@413-24:~$ java -Djava.library.path=. B1

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