

File Edit View Search Terminal Tabs Help

vsduser@vsduser-... x vsduser@vsduser-... x vsduser@vsduser-... x vsduser@vsduser-... x vsduser@vsduser-... x vsduser@vsduser-... x vsduser@vsduser-...

vsduser@vsduser-VirtualBox:~\$./a.out

sum of first 10 numbers is 55vsduser@vsduser-VirtualBox:~\$ riscv64-unknown-elf-gcc -O1 -mabi=lp64 -march=rv64i -o 1ton.o 1ton.c

vsduser@vsduser-VirtualBox:~\$ spike pk 1ton.o

bbl loader

sum of first 10 numbers is 55vspike -d pk 1ton.o

(spike) until pc 0 10184

bbl loader

(spike)

core 0: 0x00000000000010184 (0xff010113) addi sp, sp, -16

(spike) reg 0 sp

0x00000003ffffffb40

(spike)

core 0: 0x00000000000010188 (0x00113423) sd ra, 8(sp)

(spike) reg 0 ra

0x0000000000001010c

(spike)

core 0: 0x0000000000001018c (0x03700613) li a2, 55

(spike) reg 0 a2

0x0000000000000037

(spike) q

vsduser@vsduser-VirtualBox:~\$ spike -d pk 1ton.o

(spike) until pc 0 1018c

bbl loader

(spike) reg 0 a2

0x0000000000000000

(spike)

core 0: 0x0000000000001018c (0x03700613) li a2, 55

(spike) reg 0 a2

0x0000000000000037

(spike)

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#include <stdio.h>

int main() {

int num1 = 10, num2 = 5;

int addition = num1 + num2;

int subtraction = num1 - num2;

int multiplication = num1 * num2;

float division = (float)num1 / num2;

printf("Addition: %d + %d = %d\n", num1, num2, addition);

printf("Subtraction: %d - %d = %d\n", num1, num2, subtraction);

printf("Multiplication: %d * %d = %d\n", num1, num2, multiplication);

printf("Division: %d / %d = %.2f\n", num1, num2, division);

return 0;

}

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vsduser@vsduser-... x

vsduser@vsduser-... x

vsduser@vsduser-... x

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vsduser@vsduser-... x

vsduser@vsduser-VirtualBox:~\$ gcc arithmeticop.c

vsduser@vsduser-VirtualBox:~\$./a.out

Addition: $10 + 5 = 15$ Subtraction: $10 - 5 = 5$ Multiplication: $10 * 5 = 50$ Division: $10 / 5 = 2.00$

vsduser@vsduser-VirtualBox:~\$



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```
vsduser@vsduser-VirtualBox: $ cat arithmeticop.c
#include <stdio.h>
```



```
int main() {
```

```
    int num1 = 10, num2 = 5;
```

```
    int addition = num1 + num2;
```

```
    int subtraction = num1 - num2;
```

```
    int multiplication = num1 * num2;
```

```
    float division = (float)num1 / num2;
```

```
    printf("Addition: %d + %d = %d\n", num1, num2, addition);
```

```
    printf("Subtraction: %d - %d = %d\n", num1, num2, subtraction);
```

```
    printf("Multiplication: %d * %d = %d\n", num1, num2, multiplication);
```

```
    printf("Division: %d / %d = %.2f\n", num1, num2, division);
```

```
    return 0;
```

```
vsduser@vsduser-VirtualBox:~$ riscv64-unknown-elf-gcc -O1 -mabi=lp64 -march=rv64i -o arithmeticop.o arithmeticop.c
```

```
vsduser@vsduser-VirtualBox:~$ ls ltr arithmeticop.o
```

```
ls: cannot access 'ltr': No such file or directory
```

```
arithmeticop.o
```

```
vsduser@vsduser-VirtualBox:~$ ls -ltr arithmeticop.o
```

```
-rwxrwxr-x 1 vsduser vsduser 167536 Jan 11 08:23 arithmeticop.o
```

```
vsduser@vsduser-VirtualBox:~$ riscv64-unknown-elf-gcc -Ofast -mabi=lp64 -march=rv64i -o arithmeticop.o arithmeticop.c
```

```
vsduser@vsduser-VirtualBox:~$ ls -ltr arithmeticop.o
```

```
-rwxrwxr-x 1 vsduser vsduser 167536 Jan 11 08:30 arithmeticop.o
```

```
vsduser@vsduser-VirtualBox:~$
```



Type here to search



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