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```

Welcome to GDB Online.

GDB online is an online compiler and debugger tool for C, C++, Python, PHP, Ruby, C#, OCaml, VB, Perl, Swift, Prolog, Javascript, Pascal, HTML, CSS, JS Code, Compile, Run and Debug online from anywhere in world.

```
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```

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

```
int main()
```

```
{
```

```
int x[5] = {1, 2, 3, 4, 5};
```

```
    int* ptr;
```

```
// ptr is assigned the address of the third element
```

```
ptr = &x[2];
```

```
printf("*ptr = %d\n", *ptr);
```

```
    printf("* (ptr+1) = %d\n", *(ptr+1)); // 4
```

```
    printf("* (ptr-1)= %d", *(ptr-1)); // 2
```

```
        return 0;
```

```
}
```