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C program to create, initialize, assign and access a pointer variable

```c
*C program to create, initialize, assign and access a
pointer variable.*/

#include <stdio.h>

int main()
{
    int num;     /*declaration of integer variable*/
    int *pNum;   /*declaration of integer pointer*/

    pNum=& num; /*assigning address of num*/
    num=100;     /*assigning 100 to variable num*/

    //access value and address using variable num
    printf("Using variable num:\n");
    printf("value of num: %d\naddress of num:
%u\n",num,&num);
    //access value and address using pointer variable num
    printf("Using pointer variable:\n");
    printf("value of num: %d\naddress of num:
%u\n",*pNum,pNum);

    return 0;
}
```

Output

```
Using variable num:
value of num: 100
address of num: 2764564284
Using pointer variable:
value of num: 100
address of num: 2764564284
```