A	0.: 1
4	Pointers: Address of Vorioble
	77007ES3 OF VOTIONIE
	int a : a gets some space in memory
	a gero some space in mino
	1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012
	1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10	Each Address holds 8 bit of data
	Each Hadres 6 holds 8 bit of out
	into; side page to marrial (
	cout « "Address of variable o" « Fa evend!;
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
15	A pointer variable (or pointer) is basically the same as the other variables, which can store a piece of data
	Unlike normal voriable which stores a value (such as
	int, a double, a char) a pointer stores memory
	address.
20	Julia to a of reference a solution dos all
*	Delaring pointers:
- 1	
MIN.	I datatype * ptr : => datatype of variable whose address is getting stored in ptr.
	3 datatype* ptr:
25	3) datatype xptr:
V	Therefore as Develope (x)
*	Indirection or Develorencing operator (*) The indirection aperator (or develorencing operator
	operates on a pointer, a return the value stored in
20	the address kept in the pointer variable.
30	

```
Initialize pointers
                            cout exiptr:
  int a = 10
 int * ipt = 29;
                            cout << cpt;
  Char ( = 'a';
  int *cptr = &c;
                            cout << optr;
  double d;
   double * dptr = fd;
Operations performed on pointes:
     3 Increment operators
     2) Decrement operators
      3) Addition of a constant to a pointer
     9 Subtraction of constant to a pointer
      5) Subtraction of two pointers.
6) Comparison of two pointers.
 NULL Pointers-
      We can initialize a pointer to 0 or NULL je
 it points nothing
 It is called a null pointer. Dereferencing a null pointer (*p) causes on STATUS_ACCESS_VIC
   ATION exception.
  in * iptr = 0;
 cout << xipty ecendl;
  int xp = NULL:
```

* Void pointers. The void type of pointer is a special type of pointer. In ctt void represents the absence of type. Therefore void pointers are pointers that point to a value that has no type. int 0 = 10; double di voit xuptr; Vptr = fa; Uptr = Pd; -> // error, connot increment void pointe * uptr; * vptr ++; int * iptr = static cost < int * > (pv); cout << *iptri * Pointer to pointer - We can use pointer store other
pointers (a variable that is storing some address) int a = 10; int xiptr = {q; int **ilptr = & iptri Cout << iiptr: cout << xlipty; cout << * x ijptr; cout «cipt»; Cout << * iptr;