

PASCAL - RETURN POINTER FROM SUBPROGRAMS

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A function can return a pointer as its result. The following program illustrates returning pointer from a function –

```
program exPointersFromFunctions;
type
    ptr = ^integer;

var
    i: integer;
    iptr: ptr;
function getValue(var num: integer): ptr;

begin
    getValue := @num;
end;

begin
    i := 100;
    iptr := getValue(i);

    writeln('Value dereferenced: ', iptr^);
end.
```

When the above code is compiled and executed, it produces the following result –

```
Value dereferenced: 100
```