======= Delphi 7 =======

```
Uses SysUtils;

Const F=10;

Function
Fakult(N:Integer):Integer;
Begin
  If N<>1 Then
Result:=N*Fakult(N-1)
        Else Result:=1;
End;

Begin
  WriteLn(Fakult(F));
End.
```

======= 27 Bytes =======

```
409604 /$ 53          PUSH EBX
409605 |. 8BD8         MOV EBX,EAX
409607 |. 83FB 01      CMP EBX,1
40960A |. 74 0C        JE SHORT Fakult.409618
40960C |. 8BC3         MOV EAX,EBX
40960E |. 48           DEC EAX
40960F |. E8 F0FFFFFF  CALL Fakult.409604
409614 |. F7EB         IMUL EBX
409616 |. 5B           POP EBX
409617 |. C3           RETN
409618 |> B8 01000000  MOV EAX,1
40961D |. 5B           POP EBX
40961E \. C3           RETN


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4096A0 . B8 0A000000 MOV EAX,0A
4096A5 . E8 5AFFFFFF CALL Fakult.409604
```

======= Dev C++ =======

```
#include <stdio.h>

int F=10;

int Fakult(int N)
{
  if (N!=1) return
N*Fakult(N-1);
        else return 1;
}

int main()
{
  printf("%d\n",Fakult(F));
  return(0);
}
```

======= 45 Bytes =======

```
401290 /$ 55          PUSH EBP
401291 |. 89E5         MOV EBP,ESP
401293 |. 83EC 08      SUB ESP,8
401296 |. 837D 08 01   CMP DWORD PTR SS:[EBP+8],1
40129A |. 74 15        JE SHORT Fakult.4012B1
40129C |. 8B45 08      MOV EAX,DWORD PTR SS:[EBP+8]
40129F |. 48           DEC EAX
4012A0 |. 890424       MOV DWORD PTR SS:[ESP],EAX
4012A3 |. E8 E8FFFFFF  CALL Fakult.401290
4012A8 |. 0FAF45 08    IMUL EAX,DWORD PTR SS:[EBP+8]
4012AC |. 8945 FC      MOV DWORD PTR SS:[EBP-4],EAX
4012AF |. EB 07        JMP SHORT Fakult.4012B8
4012B1 |> C745 FC 0100>MOV DWORD PTR SS:[EBP-4],1
4012B8 |> 8B45 FC      MOV EAX,DWORD PTR SS:[EBP-4]
4012BB |. C9           LEAVE
4012BC \. C3           RETN


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4012EC |. 890424       MOV DWORD PTR SS:[ESP],EAX
4012EF |. E8 9CFFFFFF CALL Fakult.401290
```

======= Assembler =======

```
Fakult: Push EBX
        Mov EBX,EAX
        Dec EBX
        JZ Ende
        Mov EAX,EBX
        Call Fakult
        Inc EBX
        Mul EBX
        Pop EBX
        Ret
  Ende: Xor EAX,EAX
        Inc EAX
        Pop EBX
        Ret

        Mov EAX,0Ah
        Call Fakult
```

======= 23 Bytes =======

```
401011 /$ 53          PUSH EBX
401012 |. 8BD8         MOV EBX,EAX
401014 |. 4B           DEC EBX
401015 |. 74 0C        JE SHORT Fakult.00401023
401017 |. 8BC3         MOV EAX,EBX
401019 |. E8 F3FFFFFF  CALL Fakult.00401011
40101E |. 43           INC EBX
40101F |. F7E3         MUL EBX
401021 |. 5B           POP EBX
401022 |. C3           RETN
401023 |> 33C0         XOR EAX,EAX
401025 |. 40           INC EAX
401026 |. 5B           POP EBX
401027 \. C3           RETN


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401000>/$ B8 0A000000 MOV EAX,0A
401005 |. E8 07000000 CALL Fakult.401011
```