a =1000

Array name(a) contains the base address of the array (1000).

*1000
$$\rightarrow$$
 a[0] \rightarrow [0]a \rightarrow 11
*(1000+1) \rightarrow *(1004) \rightarrow a[1] \rightarrow 1[a] \rightarrow 12
*(1000+2) \rightarrow *(1008) \rightarrow a[2] \rightarrow 2[a] \rightarrow 13
*(1000+3) \rightarrow *(1012) \rightarrow a[3] \rightarrow 3[a] \rightarrow 14
*(1000+4) \rightarrow *(1016) \rightarrow a[4] \rightarrow 4[a] \rightarrow 15
*(1000+5) \rightarrow *(1020) \rightarrow a[5] \rightarrow 5[a] \rightarrow 16
*(1000+6) \rightarrow *(1024) \rightarrow a[6] \rightarrow 6[a] \rightarrow 17
*(1000+7) \rightarrow *(1028) \rightarrow a[7] \rightarrow 7[a] \rightarrow 18
*(1000+8) \rightarrow *(1032) \rightarrow a[8] \rightarrow 8[a] \rightarrow 19

Note: Compiler change both the representation into pointer form.





























