```c
//To use conditional and loop instructions
//TILAK POOJARY
//NNM24EE127
//3/09/25
//EXPERIMENT 2A

#include<reg51.h>
unsigned char temp=0x00, count, n, a[5]={0x54, 0xAB, 0x56, 0xC8, 0xAE};
void main(void)
{
  P2=0x00;                              //SETTING P1 AS 0X00

  n=sizeof(a)/sizeof(char);
  for(count=0;count<n;count++)          //FOR LOOP IN THIS WE CHCEK IF A[COUNT] IS GREATER THAN TEMP IF
  YES THAN TEMP = A[COUNT]
  {
    if(a[count]>temp)
    {
      temp=a[count];
    }
  }
  P2=temp;                          //DISPLAYING THE TEMP TO PORT 2
}
```