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| 11.1 ) Write a program using pointers to read in an array of integers and print its elements in reverse order .  //1803117  #include<stdio.h>  #include<stdlib.h>  int main()  {  long int \*a,i,n;  printf("Enter the size of array :\n");  scanf("%ld",&n);  a=(long int \*)malloc(n \* sizeof(long int));  printf("\nEnter the elements of array :\n");  for(i=0;i<n;i++)  {  scanf("%ld",(a)++);  }  printf("\nShowing reverse order :\n");  for(i=0;i<n;i++)  { (a)--;  printf("%ld\n",\*(a));  }  return 0;  } | 11.2 ) Write a function to calculate the roots of quadratic equation of the formusing pointer .  //1803117  #include<stdio.h>  #include<math.h>  void read(float \*a,float \*b,float \*c);  void root(float \*a,float \*b,float \*c);  int main()  {  float g,h,f;  float \*a,\*b,\*c;  a=&g;b=&h;c=&f;  printf("Enter the co-efficient of a,b,c :\n");  read(a,b,c);  root(a,b,c);  return 0;  }  void read(float \*a,float \*b,float \*c)  {  scanf("%f %f %f",a,b,c);  return;  }  void root(float \*a,float \*b,float \*c)  {  float \*d,\*e;  \*d=(-(\*b) + sqrt(pow(\*b,2)-(4\*(\*a)\*(\*c))))/(2\*(\*a));  \*e=(-(\*b) - sqrt(pow(\*b,2)-(4\*(\*a)\*(\*c))))/(2\*(\*a));  printf("\nRoot1 = %f\nRoot2 = %f\n",\*d,\*e);  } |  |

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| 11.7 ) Write a program that sort a list of strings into alphabetical order or reverse-alphabetical order select by user any one of this .  //1803117  #include<stdio.h>  #include<stdlib.h>  #include<string.h>  #include<conio.h>  int main()  {  int i,j,n;  printf("Enter the total number of string :\n");  scanf("%d",&n);  printf("\n");  char \*a[n],\*temp,ch;  printf("Enter %d string :\n",n);  for(i=0; i<=n; i++)  {  a[i]=(char \*)malloc(100 \* sizeof(char));  gets(a[i]);  }  printf("\n");  printf("Enter 'a' to arrange alphabetical or 'r' to reverse-alphabetical:....");  ch=getche();  if(ch=='a')  {  for(i=0; i<=n; i++)  {  for(j=i+1; j<=n; j++)  {  if(strcmp(a[i],a[j])>0)  {  temp=a[i];  a[i]=a[j];  a[j]=temp;  }  else  continue;  }  }  printf("\nLower to upper string :\n");  printf("\n");  for(i=0; i<=n; i++)  {  printf("%s\n",a[i]);  } | }  else if(ch=='r')  {  for(i=0; i<=n; i++)  {  for(j=i+1; j<=n; j++)  {  if(strcmp(a[i],a[j])<0)  {  temp=a[i];  a[i]=a[j];  a[j]=temp;  }  else  continue;  }  }  printf("\nUpper to lower string :\n");  printf("\n");  for(i=0; i<=n; i++)  {  printf("%s\n",a[i]);  }  }  return 0;  } |