

```
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```

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int dim,i,j,aux;
```

```
    FILE *fentrada,*fsalida;
```

```
    printf("introduce dimension del vector: ");
```

```
    scanf("%d",&dim);
```

```
    printf("\n\n");
```

```
    int v[dim];
```

```
    fentrada=fopen("vector.txt","r");
```

```
    for(i=0;i<dim;i++)
```

```
    {
```

```
        fscanf(fentrada,"%d",&v[i]);
```

```
    }
```

```
    fclose(fentrada);
```

```
    for(i=0;i<dim;i++)
```

```
    {
```

```
        printf("%d ",v[i]);
```

```
    }
```

```
    printf("\n");
```

```
    for (j=0;j<dim;j++)
```

```
    {
```

```
        for (i=j+1;i<dim;i++)
```

```
        {
```

```
            if (v[j]>v[i])
```

```
            {
```

```
                aux=v[i];
```

```
                v[i]=v[j];
```

```
                v[j]=aux;
```

```
            }
```

```
        }
```

```
    }
```

```
for (i=0;i<dim;i++)
{
    printf("%d ",v[i]);
}

printf("\n\n");

fsalida=fopen("resultado.txt","w");

for(i=0;i<dim;i++)
{
    fprintf(fsalida,"%d ",v[i]);
}

fprintf(fsalida,"\n");

for (i=0,aux=0;i<dim;i++)
{
    aux=aux+v[i];
}

fprintf(fsalida,"%d \n",aux);

for (i=0,aux=1;i<dim;i++)
{
    if (v[i] != 0)
    {
        aux= aux*v[i];
    }
}

fprintf(fsalida,"%d \n\n",aux);
}
```