**4. Array sorting**

echo "Enter the number of elements: "

read size

p=0

myArr=()

while [ $p -lt $size ]

  do

  echo "Enter the Number for index $p: "

  read num

  myArr[ $p ]=$num

  p=`expr $p + 1`

done

echo "Before sorting"

echo ${myArr[\*]}

for ((i=0; i<$size; i++))

do

 for((j=0; j<$size; j++))

 do

  k=`expr $j + 1`

  if [[ ${myArr[ $j ]} -gt ${myArr[ $k ]} ]]

  then

    temp=${myArr[ $j ]}

    myArr[ $j ]=${myArr[ $k ]}

    myArr[ $k ]=$temp

    fi

 done

done

echo "After sorting"

echo ${myArr[\*]}