Usage of Functions No.7 WAP to Calculate onea & cincumfenence of a cincle using Aim To calculate area and cincum fenence of cincle Algorithm step 1: start the program step 2: 20 eclare the variable step 3: Got output of one a and circumlerence in another function Step 4: Print the output step s. stop. Program m #include2stdio.h> float a (float x) flogt ((flogt)); void maine float is wear clarge? Print ("Enter Haradius")" Scant ("./.f", don); area = a(b); circumfenen (= (tr). y paintf ("Anea of cincle. 1.d"; onea); float a (tloata) float n=3.5 * 71 * 57, return a! floate (floada) float fa = 3 x 3 15 x 9; votorno; 4 Result: This program is executed successfully

Paint F ("cente in stanta"); SCAM FC 4.15 2 197. 15 output Enten Radius of Cincle: 44 Area of arcle: 6079.040039. circomferonce = 276.320007. [N=[i] rt= 11 0 = = [i] rt= 11 Daint f (" the number of verica is-1.d", vil); lost posts of reported and SUCCESSICITY AND MILMORE CENTRE in the inpurt had would be countried.

Usage of Functions 17:B wap to sont an averay in a function "Coot + 64) and point t the max and minvalue. Aim . to write a program to Sort an away on point max and min. Algorithm. stopi: Declare the variable and functions step 2: Input the woray step 3: (neate a for sont by step 4: Call the function step 5: Stop the program Program #includecstdio.h> intsort by (ind coy(), intrum): Void main () int n, i, s, ar (100]; Paintf ("Entex the Size of the away"); Sanf(*./.d';dn): Points (" Enter the ma Elements"); Lon (i=0; icn; it+2) not 1 Scant ("./.d"/ 2 an(i)); Printf (" The sonted corray is). 5 = Sort 6y (a, n). Printf ("The max element is 1/d In" or [n-1]) Paint from the max element is: /d In ar [0]: int soutly (Int way [7, int num) ind i, step; way [num] tox(step-o; step < num-1; ++ step) fox (120; ik num - step-1; ++1)

```
output
                     the array 5
 Enten the Size of
 Enten clements: 21
22
45
96
41
The Sonted wrigy is
 21
 2 2
 41
 45
 96
The max element is 96
The Min clement is 24
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```
if (any [i] > any [i+1]]

int temp= any [i];

any x i ? = any [i+1];

any y [i+1] = temp;

y

for (i=0; icnum; i+1)

print f (". I.d \n' any [i]);

y

y
```

Result

The program has been executed Successfully.