Name-Chircadeep Banik. Ennoll - 20 UCS176 Course - CSE Sec - A

20UCS176_Chireadoep # include (stdio.th) # include (time. ty) void swap ("mt "num, "nt "numz) of int temp = * numl; so to smound *num!= *num2; 31 -"101" "ollo3" *num2=tempj void paint Array (int dank, int length) 1800 for (intizogik length; itt)d paintf(" %d", ann [i]); printf("\n"); Lurguege Oper Int "bubble Sont ("int "are, "int len) d for (int i=0; ix len; i++)1 for (int : 2 = 0 ; 2 < len -1 ; 2++) d b ([i+i] na ([i] na) li swap (Larclity, Lancis); neturn ans

roid main() of

int ann[] = {5,4,3,2,1};

Int length = size of (ann) / size of (ann[o]);

threat stantfick gendlick;

stantfick = clockl);

Int pt = bubble Sont (ann, length);

time-t HicksTaken = endTick - stantTick;

donote timeTaken = (double) HicksTaken / (double) ELOCKS_PERSEC;

paintf("Time take: "a Lf is \n", timeTaken);

4

Out Put

1 2 3 4 5

Time taken: 0.000003 s

end Tick = clock();

200005176-Chiradoep Bangk