DOKUZ EYLUL UNIVERCITY

Faculty of Engineering

Electrical and Electronics Engineering

**EED 1005 Introduction to Programming Laboratoary#9**

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**Laboratoary:**

**TASK 1:**

#include<stdio.h>

#include<stdlib.h>

void fab(int \*);

int main()

{

int a[10],i,j=10;

for(i=0;i<=9;i++){

printf("Input %d numbers:",j);

scanf("%d",&a[i]);

j=j-1;

}

printf("a=");

for(i=0;i<=9;i++){

printf("%d\t",a[i]);

}

printf("\na=");

fab(a);

}

void fab(int \*dizi){

int i;

for(i=0;i<=9;i++){

if(\*dizi<1){

\*dizi=\*dizi\*-1;

}

printf("%d\t",\*dizi);

++dizi;

}

}



Figur 1: Output of laboratoary study task1

**TASK 2:**

#include<stdio.h>

#include<stdlib.h>

int COV(int [],int []);

float average(int []);

int main()

{

int res,x[5]={2,4,6,8,10},y[5]={6,12,18,24,30};

float cov;

res=COV(x,y);

cov=(float)res/4;

printf("Covariance= %f",cov);

system("PAUSE");

return 0;

}

float average(int c[]){

int i,summ=0;

float result;

for(i=0;i<=4;i++){

summ=summ+c[i];

}

result=summ/5;

return result;

}

int COV(int a[],int b[]){

int i;

float c,z,result,sum=0;

c=average(a);

z=average(b);

for(i=0;i<=4;i++){

sum=sum+((a[i]-c)\*(b[i]-z));

}

return sum;

}

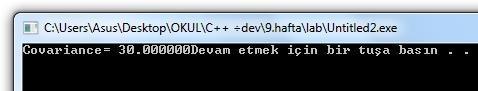


Figure2: Output of laboratoary study task 2