Assignment 4

//rock paper scissors

Code

Input: #include <stdio.h>

int main() {

int a,b;

printf("enter a(0-100):");

scanf("%d",&a);

printf("enter b(0-100):");

scanf("%d",&b);

int choiceA,choiceB;

if(a>=0&&a<=33){

choiceA=1;

printf("Stone\n");

}

else if(a>=33&&a<=66){

choiceA=2;

printf("paper\n");

}

else if(a>=66&&a<=100){

choiceA=3;

printf("scissors\n");

}

else{

printf("invalid\n");

}

if(b>=0&&b<=33){

choiceB=1;

printf("Stone\n");

}

else if(b>=33&&b<=66){

choiceB=2;

printf("paper\n");

}

else if(b>=66&&b<=100){

choiceB=3;

printf("scissors\n");

}

else{

printf("invalid\n");

}

if(choiceA==choiceB){

printf("its a tie\n");

}

else if((choiceA==2&&choiceB==1)||(choiceA==1&&choiceB==3)||(choiceA==3&&choiceB==2)){

printf("A wins");

}

else{

printf("B wins");

}

return 0;

}

Output: enter a(0-100):

56

enter b(0-100):52

paper

paper

its a tie

=== Code Execution Successful ===