## OPERATING SYSTEMS LAB TASK – 09

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## **QUESTION - 1**

## CODE:

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int n,sum=0,rem;
int pipe1[2], pipe2[2];
int return1, return2;
int pid;
int pipeiwritemessage[20];
int pipe2writemessage[20];
int readmessage[20];
return1=pipe(pipe1);
if (return1 == -1)
{
0
Â
•
0
                                                                                                                                   printf("Unable to create pipe 1!\n");
return 1;
<u>/</u>
                                                                                    }
return2=pipe(pipe2);
if (return2 == -1)
•
                                                                                                                                    printf("Unable to create pipe 2!\n");
return 1;
                                                                                    close(pipe1[0]);
close(pipe2[1]);
printf("\nIn Parent: Writing to pipe 1 - Message is: \nAdd the inputted number's digit separately...\n");
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                                                                                              pipe.c
                                                                                                                                                            Save ≡ _ □
printf("Unable to create pipe 1!\n"); return 1;
return2=pipe(pipe2);
if (return2 == -1)
<u>•</u>
                           printf("Unable to create pipe 2!\n");
return 1;
Â
                 7
0
                                    close(pipe1[0]);
close(pipe2[1]);
prtntf('\nin Parent: Writing to pipe 1 - Message is: \nAdd the inputted number's digit separately...\n");
wrtte(pipe1[1], pipe1writenessage, sizeof(pipe1writenessage));
n=pipe1writenessage[20];
while (n != 0)
•
                                    }
read(pipe2[0], readmessage, sizeof(readmessage));
printf("\nSeparating all inputted digits...\n\nAdding all separated inputted digits...\n");
printf("\nIn Parent: Reading from pipe 2 - Message is: \nAddtion of all the digits separately is: %d\n", sum);
                 } return 0;
                                                                                                                                       C ▼ Tab Width: 8 ▼
```

## **OUTPUT:**

