**Assignment - 4 A Job Ready Bootcamp in C++, DSA and IOT MySirG**

**Iterative Control Statements**

**1. Write a program to print MySirG 5 times on the screen**

**Ans-**

#include<stdio.h>

int main()

{

int i=1;

/\*for(i=1;i<=5;i++)

{

printf("MySirG\n");

}\*/

while(i<=5)

{

printf("MySirG\n");

i++;

}

return 0;

}

**2. Write a program to print the first 10 natural numbers.**

**Ans-**

#include<stdio.h>

int main()

{

int i;

for(i=1;i<=10;i++)

{

printf("%d\n",i);

}

return 0;

}

**3. Write a program to print the first 10 natural numbers in reverse order**

**Ans-**

#include<stdio.h>

int main()

{

int i;

for(i=1;i<=10;i++)

printf("%d\n",11-i);

return 0;

}

**4. Write a program to print the first 10 odd natural numbers**

**Ans-**

#include<stdio.h>

int main()

{

int i;

for(i=1;i<=10;i++)

printf("%d\n",i\*2-1);

return 0;

}

**5. Write a program to print the first 10 odd natural numbers in reverse order.**

**Ans-**

#include<stdio.h>

int main()

{

int i;

//for(i=1;i<=10;i++)

// printf("%d\n",20-i\*2+1);

for(i=10;i>=1;i--)

printf("%d\n",i\*2-1);

return 0;

}

**6. Write a program to print the first 10 even natural numbers**

**Ans-**

#include<stdio.h>

int main()

{

int i;

for(i=1;i<=10;i++)

printf("%d\n",i\*2);

return 0;

}

**7. Write a program to print the first 10 even natural numbers in reverse order**

**Ans-**

#include<stdio.h>

int main()

{

int i;

for(i=1;i<=10;i++)

printf("%d\n",22-i\*2);

return 0;

}

**8. Write a program to print squares of the first 10 natural numbers**

**Ans-**

#include<stdio.h>

int main()

{

int i;

for(i=1;i<=10;i++)

printf("%d\n",22-i\*2);

return 0;

}

**9. Write a program to print cubes of the first 10 natural numbers**

**Ans-**

#include<stdio.h>

int main()

{

int i;

for(i=1;i<=10;i++)

printf("%d\n",i\*i\*i);

return 0;

}

**10. Write a program to print a table of 5.**

**Ans-**

#include<stdio.h>

int main()

{

int i;

for(i=1;i<=10;i++)

printf("5 X %d = %d\n",i,i\*5);

return 0;

}